H.L. CULBREATH BAYSIDE POWER STATION

TITLE V OPERATION PERMIT RENEWAL APPLICATION

Prepared for:



Tampa, Florida

Prepared by:



Environmental Consulting & Technology, Inc.

3701 Northwest 98th Street Gainesville, Florida 32606

ECT No. 030598-0100

June 2004



July 1, 2004

Mr. Al Linero Florida Department of Environmental Protection Division of Air Resource Management 111 South Magnolia Drive, Suite 4 Tallahassee, Florida 32301

Re:

Tampa Electric Company

F.J Gannon Station/H.L. Culbreath Bayside Station

Title V Permit Renewal Application

Permit No. 0570040-020-AV

Dear Mr. Linero:

Tampa Electric Company (TEC) is submitting a request for a renewal of the F.J Gannon Station (Gannon) Title V Air Operation Permit No. 0570040-020-AV. Pursuant to Rule 62-213.420(1)(a)3 and Rule 62-4.090, F.A.C., an application for renewal of a Title V operation permit must be submitted 180 days prior to expiration. Since Title V FINAL Permit Revision No. 0570040-020-AV expires on December 31, 2004, the permit renewal application for Gannon must be submitted no later than July 5, 2004. This application package, consisting of the Department's Application for Air Permit - Long Form and all required supplemental facility and emission unit information, constitutes TEC's Title V permit renewal application for Gannon and is submitted to satisfy the requirements of Chapter 62-213.400, F.A.C.

On May 4, 2004, TEC submitted four (4) copies of the Title V Air Operation permit revision application to roll-in Bayside Power Station Units 1 and 2 into Final Permit No. 0570040-020-AV, to include the seven combined-cycle combustion turbines. As a follow up to the pending revision application and as part of the renewal process, TEC is requesting to revise the plant name from F.J. Gannon Station to H.L. Culbreath Bayside Power Station. Please find enclosed four (4) copies of the permit renewal application signed and sealed.

TEC appreciates the cooperation and consideration of the Department in this requested Title V permit renewal application. If you have any questions or comments pertaining to this request, please direct them to Raiza Calderon at (813) 228-4369.

Sincerely,

Laura Crouch

Manager - Air Programs

Environmental, Health & Safety

1. Curren

EA/gm/RC185

Enclosure

c/enc: Ms. Cindy Phillips, FDEP

Mr. Jerry Kissel, FDEP SW District Mr. Jerry Campbell - EPCHC

TAMPA ELECTRIC COMPANY P. D. BOX 111 TAMPA, FL 33601-0111

RECEIVE

JUL 02 2004

BUREAU OF AIR REGULATION

Airbill No. 7906 8740 0268

Via FedEx

INTRODUCTION

The Tampa Electric Company (TEC) F.J. Gannon Station consisted of six steam boilers (Units 1 through 6), six steam turbines, one simple-cycle combustion turbine (CT-1), a once-through cooling water system, storage and handling of solid fuels, fluxing material, fly ash and slag handling systems, fuel oil storage tanks, and ancillary support equipment.

Operation of the existing F.J. Gannon Station is currently authorized by Title V Final Permit Revision No. 0570040-017-AV was issued with an effective date of January 1, 2001, and an expiration date of December 31, 2005. This permit was administratively amended by Final Permit Revision No. 0570040-020-AV which corrected the permit renewal application due date (from July 5, 2005, to July 5, 2004) and the permit expiration date (from December 31, 2005, to December 31, 2004) on the placard page, and the years series notation on the Acid Rain Part (from 2001, 2002, 2003, 2004, 2005, to 2000, 2001, 2002, 2003, 2004).

TEC recently constructed and placed in operation seven General Electric Model PG7241 FA natural gas-fired combustion turbine (CT)/heat recovery steam generator (HRSG) combined-cycle units that operate in conjunction with the existing F.J. Gannon Units 5 and 6 steam turbines. The seven CT/HRSG units are grouped in two units designated as H.L. Culbreath Bayside Power Station (Bayside) Units 1 and 2. Bayside Units 1 and 2 repower F.J. Gannon Station Units 5 and 6, respectively. Bayside Unit 1 includes three CT/HRSGs designated as CT-1A, CT-1B, and CT-1C. Bayside Unit 2 includes four CT/HRSGs designated as CT-2A, CT-2B, CT-2C, and CT-2D.

A Title V operation permit revision application was previously submitted to incorporate Bayside Units 1 and 2 into the Final Permit Revision No. 0570040-020-AV. This final permit expires on December 31, 2004. A Title V permit renewal application must be submitted no later than 180 days prior to this expiration date or no later than July 5, 2004. TEC is submitting this Title V permit renewal application prior to the July 5, 2004, deadline. TEC requests the following changes to Final Title V Permit No. 0570040-020-AV:

- 1. Revise the plant name from F.J. Gannon Station to H.L. Culbreath Bayside Power Station.
- 2. Delete the following emissions units:
 - EU-001 through EU-006—Units No. 1 through 6 Fossil Fuel-Fired Steam Generators.*
 - EU-007—Combustion Turbine No. 1.
 - EU-009—Unit 4 Economizer Ash Silo with Baghouse.
 - EU-010—Units 5 and 6 Fly Ash Silo No. 1 with Baghouse.
 - EU-011—Units 1 through 4 Fly Ash Silo with Baghouse (Fly Ash Silo No. 2).
 - EU-012—Pugmill and Truck Loading.
 - EU-013 through EU-018—Units No. 1 through 6 Fuel Bunker with Roto-Clone.

In order to be subject to the CAM Rule contained in 40 Code of Federal Regulations (CFR) Part 64, an emission unit must:

- 1. Be located at a major source that is required to obtain Part 70 or 71 permit per 40 CFR 64.2(a);
- 2. Be subject to an emission limitation or standard for the applicable pollutant per 40 CFR 64.2(a)(1);
- 3. Use a control device to achieve compliance per 40 CFR 64.2(a)(2);
- 4. Have potential pre-control emissions of the applicable regulated pollutant at least 100 percent of the major source threshold amount per 40 CFR 64.2(a)(3) and
- 5. Not otherwise be exempt from CAM per 40 CFR 64.2(a)(b).

A discussion of CAM applicability for the H.L. Culbreath Bayside Station regulated emissions units follows:

^{*} EU-001 through EU-006 must be shut down before January 1, 2005, in accordance with Air Construction Permit No. 0570040-015-AC.

A. Units 1 and 2

Units 1 and 2 consist of seven CT/HRSG combined-cycle units that are fired exclusively with natural gas. Each of the seven combined-cycle units (CT-1A, CT-1B, CT-1C, CT-2A, CT-2B, CT-2C, and CT-2D) employs selective catalytic reduction (SCR) to control nitrogen oxide (NO_x) emissions. Each CT/HRSG combined-cycle unit is subject to the Acid Rain Program and is equipped with a NO_x CEMS certified and operated in accordance with the requirements of 40 Code of Federal Register (CFR) Part 75, Continuous Emission Monitoring. Since the existing NO_x CEMS are required under current regulations, their use as CAM for NO_x emission standards is mandated by §64.3(d)(1). Units 1 and 2 NO_x CEMS are used to determine compliance with all of the NO_x emission limits included in Air Permit No. PSD-FL-301A; i.e., the NO_x CEMS serve as a *continuous compliance determination* method for Units 1 and 2. Accordingly, Units 1 and 2 are exempt from CAM requirements with respect to NO_x pursuant to 40 CFR §64.2(b)(vi).

B. Fuel Yard

None of the fuel yard emission points employ a *control device* as defined 40 CFR §64.1. Accordingly, the fuel yard emission points are not subject to CAM requirements.

Following this introduction, FDEP's Application for Air Permit – Long Form, is provided. The following attachments are included as referenced in the permit application:

Attachment	<u>Description</u>
1	Facility Plot Plan—H.L. Culbreath Bayside Power Station Area
	Map
2	Facility Plot Plans
3	Process Flow Diagrams
4	Precautions to Prevent Emissions of Unconfined Particulate Matter
5	List of Insignificant Activities
6-1 and 6-2	Identification of Applicable Requirements
7	Compliance Report and Plan
8	List of Equipment/Activities Regulated Under Title VI
9	Verification of Risk Management Submission to EPA
10	Requested Changes to Current Title V Air Operation Permit
11	Fuel Analysis or Specification
12	Detailed Description of Control Equipment
13	Procedures for Startup and Shutdown
14	Certification of Representation
15	Acid Rain Part Application



Department of Environmental Protection Division of Air Resource Management Division FOR AIR PERMIT - LONG FORM Division of Air Resource Management Divisio

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

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

Air Operation Permit – Use this form to apply for:

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

Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option) - Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit

incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of	of	Facility
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1.	Facility Owner/Company Name: Tampa Electric Company					
2.	Site Name: H. L. Culbreath Bayside Power Station					
3.	Facility Identification Number: 0570040					
4.	Facility Location:					
	Street Address or Other Locator: 3602 Port Sutton Road					
	City: Tampa County: Hillsborough Zip Code: 33619					
5.	Relocatable Facility? 6. Existing Title V Permitted Facility?					
	☐ Yes ☐ No ☐ Yes ☐ No					
Ar	oplication Contact					
1.	Application Contact Name: Greer Briggs					
2.	Application Contact Mailing Address					
	Organization/Firm: Tampa Electric Company					
	Street Address: 702 North Franklin Street					
	City: Tampa State: FL Zip Code: 33602					
3.	Application Contact Telephone Numbers					
	Telephone: (813) 228-4302 ext. Fax: (813) 228-1308					
4.	Application Contact Email Address: gmbriggs@tecoenergy.com					
Ar	Application Processing Information (DEP Use)					
1.	Date of Receipt of Application: 7-2-04					
2.	Date of Receipt of Application: 7-2-04 Project Number(s): 0570040-033-AV					
3.	PSD Number (if applicable):					
4.	Siting Number (if applicable):					

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

Effective: 06/16/03

Purpose of Application

This application for air permit is submitted to obtain: (Check one)
Air Construction Permit Air construction permit.
Air Operation Permit ☐ Initial Title V air operation permit. ☐ Title V air operation permit revision. ☐ Title V air operation permit renewal. ☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required. ☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.
Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)
 ☐ Air construction permit and Title V permit revision, incorporating the proposed project. ☐ Air construction permit and Title V permit renewal, incorporating the proposed project.
Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box: \[\textsit 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
This application requests a permit renewal of Title V Operating Permit No. 0570040-017-AV, which was administratively revised under Final Permit Revision No. 0570040-020-AV.

DEP Form No. 62-210.900(1) – Form Effective: 06/16/03

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
008	Fuel Yard	N/A	N/A
020	Bayside Combustion Turbine Unit No. 1A	N/A	N/A
021	Bayside Combustion Turbine Unit No. 1B	N/A	N/A
022	Bayside Combustion Turbine Unit No. 1C	N/A	N/A
023	Bayside Combustion Turbine Unit No. 2A	N/A	N/A
024	Bayside Combustion Turbine Unit No. 2B	N/A	N/A
025	Bayside Combustion Turbine Unit No. 2C	N/A	N/A
026	Bayside Combustion Turbine Unit No. 2D	N/A	N/A
<u> </u>			
_			-
_			
_			

Application Processing Fee	:
Check one: Attached - Amount: \$	

Owner/Authorized Representative Statement N/A

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

•	Owner/Authorized Representati	ve Name:	
	Owner/Authorized Representati	ve Mailing Address	
	Organization/Firm:		
	Street Address:		
	City:	State:	Zip Code:
	Owner/Authorized Representati	ve Telephone Numbers.	
	Telephone: ext.	Fax:	
	Owner/Authorized Representati	ve Email Address:	
	Owner/Authorized Representati	ve Statement:	
	reasonable inquiry, that the stat complete and that, to the best of application are based upon reas pollutant emissions units and air will be operated and maintained of air pollutant emissions found Department of Environmental P	ements made in this app my knowledge, any esting conable techniques for control equip of so as to comply with all in the statutes of the State protection and revisions to which the facility is subjected that the facility is subjected without and the facility the department up	mates of emissions reported in this alculating emissions. The air oment described in this application applicable standards for control ate of Florida and rules of the thereof and all other requirements ect. I understand that a permit, if authorization from the
	Signature	_	 Date

Application Responsible Official Certification

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

res	sponsible official."						
1.	Application Responsible Official Name: Mark J. Hornick., General Manager						
2.	Application Responsible Official Qualification (Check one or more of the following						
	options, as applicable):						
	x For a corporation, the president, secretary, treasurer, or vice-president of the corporation in						
	charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such						
	person if the representative is responsible for the overall operation of one or more						
	manufacturing, production, or operating facilities applying for or subject to a permit under						
	Chapter 62-213, F.A.C.						
	For a partnership or sole proprietorship, a general partner or the proprietor, respectively.						
	For a municipality, county, state, federal, or other public agency, either a principal executive						
	officer or ranking elected official.						
_	The designated representative at an Acid Rain source.						
3.	Application Responsible Official Mailing Address						
	Organization/Firm: Tampa Electric Company						
	Street Address: P.O. Box 111						
	City: Tampa State: Florida Zip Code: 33601-0111						
4.	Application Responsible Official Telephone Numbers						
	Telephone: (813) 641 - 5400 ext. Fax: (813) 641 - 5351						
5.	Application Responsible Official Email Address: wamaye@@tecoenergy.com						
6.	Application Responsible Official Certification:						
	I, the undersigned, am a responsible official of the Title V source addressed in this air permit						
	application. I hereby certify, based on information and belief formed after reasonable inquiry,						
	that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon						
	reasonable techniques for calculating emissions. The air pollutant emissions units and air						
	pollution control equipmen t 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.						
	[lide of 6/24/04						
	Signature Date						

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Professional Engineer Certification

	Olessional Engineer Columeation
1.	Professional Engineer Name: Thomas W. Davis
	Registration Number: 36777
2.	Professional Engineer Mailing Address
	Organization/Firm: Environmental Consulting & Technology, Inc.
	Street Address: 3701 Northwest 98th Street
	City: Gainesville State: FL Zip Code: 32606-5004
3.	Professional Engineer Telephone Numbers
	Telephone: (352) 332-0444 ext. Fax: (352) 332-6722
4.	Professional Engineer Email Address: tdavis@ectinc.com
5.	Professional Engineer Statement:
	I, the undersigned, hereby certify, except as particularly noted herein*, that:
	(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air
	pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and
	(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.
	(3) If the purpose of this application is to obtain a Title V air operation permit (check here \boxtimes , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.
	(4) If the purpose of this application is to obtain an air construction permit (check here \square , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here \square , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.
	(5) If the purpose of this application is to obtain an initial air operation permit or operation permit nevision or nenewal for one or more newly constructed or modified emissions units (check here , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit. Signature.
7	(seal)

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^{*} Attach any exception to certification statement.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

	East (km) 360.00 North (km) 3,087.50	2. Facility Latitude/LongitudeN/A Latitude (DD/MM/SS) Longitude (DD/MM/SS)				
3. Governmental Facility Code:	4. Facility Status Code:	5. Facility Major Group SIC Code:	6. Facility SIC(s): 4911			
7. Facility Commo	ent:	49				

Facility Contact

1 Facility Contact Name:

1.	racinty Contact Name.					
	Elena Vance, Environmental Coordin	ator				
2.	Facility Contact Mailing Address					
	Organization/Firm: Tampa Electric Company					
	Street Address: 3602 Port Sutton Road					
	City: Tampa	State: FL	Zip Code: 33619			

3. Application Contact Telephone Numbers...

Telephone: (813) 641-5595

ext.

Fax: (813) 641-5351

4. Application Contact Email Address: <u>eavance@tecoenergy.com</u>

Facility Primary Responsible Official N/A

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

1.	Facility Primar	y Respons	sible O	fficial Name:					
2.	Facility Primary Organization/Fi	irm:	sible O	fficial Mailing	Address				
	(City:		State	:		Zip Co	de:	
3.	Facility Primary	y Respons	sible O	fficial Telepho	ne Number				
	Telephone: ()	-	ext.	Fax:	()	-	
4.	Facility Primary	Respons	sible O	fficial Email A	ddress:				

Facility Regulatory Classifications

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

1. Small Business Stationary Source Unknown
2. Synthetic Non-Title V Source
3. X 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:
NSPS for Stationary Gas Turbines, 40 CFR Part 60 Subpart GG applies to all combustion turbines that were constructed after October 3, 1977. This NSPS has NO _x and SO ₂ emission limits only. Bayside Power Station is not a major source of HAPs, therefore the Combustion Turbine NESHAP, 40 CFR Part 63, Subpart YYYY, does not apply.

List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
NO _X	A	N
СО	A	N
PM	A	N
PM ₁₀	A	N
SO ₂	A	N .
SAM	A	, N
VOC	A	N
		·

B. EMISSIONS CAPS N/A

Facility-Wide	or Multi-Unit	<u>Emissions Caps</u>					
1. Pollutant Subject to Emissions Cap	2. Facility Wide Cap [Y or N]? (all units)	3. Emissions Unit ID No.s Under Cap (if not all units)	4.	Hourly Cap (lb/hr)	5. A C (t	nnual ap on/yr)	6. Basis for Emissions Cap
-	·		_				_
				_			
							-
				- -			
7. Facility-Wi	ide or Multi-Uni	it Emissions Cap C	omr	nent:			

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the
	previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachments 1 and 2 Previously Submitted, Date:
2.	Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date:
3.	Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 4 Previously Submitted, Date:
<u>Ad</u>	Iditional Requirements for Air Construction Permit Applications N/A
1.	Area Map Showing Facility Location: Attached, Document ID: Not Applicable
2.	Description of Proposed Construction or Modification: Attached, Document ID: Not Applicable
3.	Rule Applicability Analysis: Attached, Document ID: Not Applicable
4.	List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): Attached, Document ID: Not Applicable
5.	Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): Attached, Document ID: Not Applicable
6.	Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): Attached, Document ID: Not Applicable
7.	Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): Attached, Document ID: Not Applicable
8.	Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): Attached, Document ID: Not Applicable
9.	Additional Impact Analyses (Rules 62-212.400(5)(e)1. and 62-212.500(4)(e), F.A.C.): Attached, Document ID: Not Applicable
10.	Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): Attached, Document ID: Not Applicable

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Additional Requirements for FESOP Applications N/A

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): Attached, Document ID: Not Applicable
Additional Requirements for Title V Air Operation Permit Applications
1. List of Insignificant Activities (Required for initial/renewal applications only): Attached, Document ID: Attachment 5 Not Applicable
 Identification of Applicable Requirements (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought): Attached, Document ID: Attachments 6-1 and 6-2 Not Applicable
3. Compliance Report and Plan (Required for all initial/revision/renewal applications): Attached, Document ID: Attachment 7 Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.
 4. List of Equipment/Activities Regulated under Title VI (If applicable, required for initial/renewal applications only): Attached, Document ID: Attachment 8 Equipment/Activities On site but Not Required to be Individually Listed Not Applicable
5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only):
Attached, Document ID: Attachment 9 Not Applicable
6. Requested Changes to Current Title V Air Operation Permit:
Additional Requirements Comment

EMISSIONS UNIT INFORMATION Section [1] of [8]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.	Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)					
	 ☑ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. ☑ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit. 					
En	nissions Unit	Description and Sta	<u>atus</u>			
1.	 Type of Emissions Unit Addressed in this Section: (Check one) This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent). This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions. 					
				dresses, as a single em es which produce fugi	-	
2.	2. Description of Emissions Unit Addressed in this Section: Fuel Yard					
3.	Emissions U	nit Identification Nur	mber: 008			
4.	Emissions Unit Status Code: A	5. Commence Construction Date: N/A	6. Initial Startup Date: N/A	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? ☐ Yes ☒ No	
9.	Package Unit		,			
10	Manufacturer Generator N		· · · · · · · · · · · · · · · · · · ·	Model Number:		
	10. Generator Nameplate Rating:					
	11. Emissions Unit Comment:					

EMISSIONS UNIT INFORMATION Section [1] of [8]

Emissions	Unit	Control	Eq	ui	pment

Control Equipment/Method(s) Description:	
54 – Process Enclosed 62 – Dust Suppression by Chemical Stabilizers or Wetting Agents	
2. Control Device or Method Code(s): 054, 062	

EMISSIONS UNIT INFORMATION Section [1] of [8]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: 2,850,000 tons coal p	per year
2.	Maximum Production Rate: N/A	-
3.	Maximum Heat Input Rate: N/A	· ·
4.	Maximum Incineration Rate: pounds/hr N/A	
	tons/day	
5.	Requested Maximum Operating Schedule: 24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year
6.	Operating Capacity/Schedule Comment:	
siı	ne maximum throughput will revert to its previous limitation nee the Fuel Yard will no longer qualify for the PSD exemptoject (PCP). reference: Title V operating permit specific co	ion as a Pollution Control

Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

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

l.	Identification of Point on Flow Diagram: FH-001/F	H-002	2. Emission Point '.		
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:				
	Barge to clamshell		·		
			•		
4.	ID Numbers or Descriptio N/A	ns of Emission Ur	nits with this Emission	n Point in Common:	
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet	
8.	Exit Temperature: 77 °F	9. Actual Volumacfm	netric Flow Rate:	10. Water Vapor:	
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:	
13.	Emission Point UTM Coor Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/Ml	Latitude/Longitude M/SS)	
	North (km)		Longitude (DD/N	MM/SS)	
15.	Emission Point Comment:				

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Flow Diagram: FH- 003	Plot Plan or	2. Emission Point	Type Code:	
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:				
	Barge to continuous unloader.				
	•				
4.	 ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A 				
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet	
8.	Exit Temperature: 77 °F	9. Actual Volumacfm	metric Flow Rate:	10. Water Vapor:	
11. Maximum Dry Standard Flow Rate: 12. Nonstack Emission Point Height feet			on Point Height:		
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)		
	North (km)	:	Longitude (DD/)	MM/SS)	
15.	15. Emission Point Comment:				
	·				

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-004/F		2. Emission Point 3	Гуре Code:		
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
	Clamshell to barge unloa	ading hopper.				
4.	ID Numbers or Descriptio	ns of Emission Ur	nits with this Emission	Point in Common:		
	N/A					
_	D: 1	C C 1 1 1 1 1 1				
5.	Discharge Type Code: F	6. Stack Height feet	:	Exit Diameter: feet		
8.	Exit Temperature: 77 °F	9. Actual Volum	netric Flow Rate:	10. Water Vapor:		
11.	Maximum Dry Standard F		12. Nonstack Emissi			
	dscfm		feet			
13.	Emission Point UTM Coor Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude		
	North (km)	:	Longitude (DD/MM/SS)			
15.	Emission Point Comment:					

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1. Identification of Point o Flow Diagram: FH-006	n Plot Plan or	2. Emission Point 4	Type Code:
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: Continuous unloader to conveyor A.			
4. ID Numbers or Descript N/A	ions of Emission U	nits with this Emissic	on Point in Common:
5. Discharge Type Code:F	6. Stack Height feet	:	7. Exit Diameter: feet
8. Exit Temperature: 77 °F	9. Actual Volumacfm	metric Flow Rate:	10. Water Vapor: %
11. Maximum Dry Standard dscfm	Flow Rate:	12. Nonstack Emiss feet	sion Point Height:
13. Emission Point UTM Co Zone: East (km) North (kn	:	14. Emission Point Latitude (DD/M Longitude (DD/	•
15. Emission Point Commer	nt:		

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	. Identification of Point on Plot Plan or Flow Diagram: FH-007		Emission Point Type Code: 4		
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:				
	Conveyor A to continuou	is feeder.			
4.	ID Numbers or Description N/A	ns of Emission Ur	nits with this Emission	n Point in Common:	
5.	Discharge Type Code: F	6. Stack Height feet		7. Exit Diameter: feet	
8.	Exit Temperature: 77 °F	9. Actual Volumacfm	netric Flow Rate:	10. Water Vapor: %	
11.	Maximum Dry Standard F. dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:	
13.	Emission Point UTM Coor Zone: East (km): North (km):		14. Emission Point I Latitude (DD/M) Longitude (DD/N)	•	
15.	Emission Point Comment:				
					

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-008/F		2. Emission Point 7	Гуре Code:
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:
	Barge unloading hopper	to conveyor B.		
4.	ID Numbers or Description N/A	ns of Emission Ui	nits with this Emission	n Point in Common:
	IV/A			
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet
8.	Exit Temperature: 77 °F	9. Actual Volur acfm	netric Flow Rate:	10. Water Vapor: %
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:
13.	Emission Point UTM Coor Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude M/SS)
	North (km)	:	Longitude (DD/I	MM/SS)
15.	Emission Point Comment:			

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Flow Diagram: FH-011	Plot Plan or	2. Emission Point 1	Type Code:
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:
	Conveyor B to conveyor	C.	·	
4.	ID Numbers or Descriptio N/A	ns of Emission Ur	nits with this Emission	n Point in Common:
5.	Discharge Type Code: F	Stack Height feet	:	7. Exit Diameter: feet
8.	Exit Temperature: 77 °F	9. Actual Volur acfm	netric Flow Rate:	10. Water Vapor: %
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude M/SS)
	North (km)	:	Longitude (DD/I	MM/SS)
15.	Emission Point Comment:			

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1	Identification of Point on Flow Diagram: FH-012	Plot Plan or	2. Emission Point 7	Type Code:
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
	Conveyor C to conveyor	s D1, D2		
4.	ID Numbers or Description N/A	ns of Emission U1	nits with this Emission	n Point in Common:
	IVA			
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet
8.	Exit Temperature: 77 °F	9. Actual Volur acfm	netric Flow Rate:	10. Water Vapor:
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissifeet	ion Point Height:
13.	Emission Point UTM Coo. Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M	Latitude/Longitude M/SS)
	North (km)	:	Longitude (DD/I	MM/SS)
15.	Emission Point Comment:			
		,		
			-	

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-013	Plot Plan or	2. Emission Point 7	Type Code:
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:
	Railcar to rail unloading hopper			
		•		•
4.	ID Numbers or Description	ns of Emission U	nits with this Emission	n Point in Common:
l	N/A			
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet
8	Exit Temperature:		netric Flow Rate:	10. Water Vapor:
0.	77 °F	acfm	70 7 70 W 1 Marco	%
11.	Maximum Dry Standard F	low Rate:	12. Nonstack Emissi	on Point Height:
12	dscfm Emission Point UTM Coo		feet	 Latitude/Longitude
13.	Zone: East (km):	rumates	Latitude (DD/M)	-
	North (km)	:	Longitude (DD/N	MM/SS)
15.	Emission Point Comment:			

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Plot Plan or Flow Diagram: FH-014		2. Emission Point Type Code: 4		
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:				
	Rail unloading hopper to conveyor L				
4.	ID Numbers or Description N/A	ns of Emission Ui	nits with this Emission	n Point in Common:	
	· · · · · · · · · · · · · · · · · · ·	-			
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet	
8.	Exit Temperature: 77 °F	9. Actual Volur acfm	netric Flow Rate:	10. Water Vapor:	
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:	
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M	Latitude/Longitude M/SS)	
	North (km)	:	Longitude (DD/I	MM/SS)	
15.	Emission Point Comment:				
				. *	
		•		·	
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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Flow Diagram: FH-015		2. Emission Point Type Code: 4		
3.	Descriptions of Emission	Points Comprising	this Emissions Unit	for VE Tracking:	
	Conveyor L to conveyors D1, D2				
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A				
5.	Discharge Type Code: F	Stack Height feet		7. Exit Diameter: feet	
8.	Exit Temperature: 77 °F	9. Actual Volumacfm	netric Flow Rate:	10. Water Vapor: %	
11.	Maximum Dry Standard F dscfin	low Rate:	12. Nonstack Emissi feet	on Point Height:	
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude M/SS)	
	North (km)		Longitude (DD/I	MM/SS)	
15.	Emission Point Comment:				
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Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-016	Plot Plan or	2. Emission Point 7	Гуре Code:
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
	Conveyor D1 to conveyor M1			
4.	ID Numbers or Descriptio N/A	ns of Emission Ur	nits with this Emission	n Point in Common:
	IVA			
5	Discharge Type Code:	6. Stack Height	•	7. Exit Diameter:
٥.	F	feet		feet
8.	Exit Temperature:		netric Flow Rate:	10. Water Vapor:
11	77 °F Maximum Dry Standard F	acfm	12. Nonstack Emissi	%
11.	dscfm	low Rate:	feet	on Foint Height.
13.	Emission Point UTM Coo	rdinates		Latitude/Longitude
	Zone: East (km): North (km)		Latitude (DD/M) Longitude (DD/I)	,
15.	Emission Point Comment:		Longitude (DD/1	·11·11/05)
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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-017	Plot Plan or	2. Emission Point 7	Type Code:
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:
	Conveyor D2 to conveyor M2			
1	1D Numbers or Descriptio	ns of Emission Ur	nite with this Emission	Point in Common:
٦.	N/A	ils of Ellission of	ints with this Emission	i i omt m common.
5.	Discharge Type Code:	6. Stack Height	:	7. Exit Diameter:
0	Fuit Tomoromotomo	feet A street Welver	netric Flow Rate:	feet
٥.	Exit Temperature: 77 °F	acfm	netic flow Rate.	10. Water Vapor: %
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude
	North (km)	:	Longitude (DD/M)	,
15.	Emission Point Comment:		<u> </u>	
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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-018	Plot Plan or	2. Emission Point 7	Гуре Code:
3.	. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
	Conveyor M1 to conveyo	or E1		
				•
1	ID Numbers or Description	ns of Emission U	nits with this Emission	n Point in Common:
	N/A			·
		-		
	Discharge Type Code:	6. Stack Height feet	:	7. Exit Diameter:
	Exit Temperature:	9. Actual Volumetric Flow Rat		10. Water Vapor:
	77 °F	acfm		%
	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emiss feet	on Point Height:
	Emission Point UTM Coo	rdinates		Latitude/Longitude
	Zone: East (km): North (km)		Latitude (DD/M Longitude (DD/I	•
15	Emission Point Comment:		Longitude (DD/)	VIIVI/33)
15.	Emission font comment.			
			•	

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-019	Plot Plan or	2. Emission Point 7	Гуре Code:
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
	Conveyor M2 to conveyor E2			
1	ID Numbers or Descriptio	ne of Emission Ur	nite with this Emission	n Point in Common:
4.	N/A	ns of Emission Of	ints with this Emission	n Foint in Common.
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet
8.	Exit Temperature:		netric Flow Rate:	10. Water Vapor:
	77 °F	acfm		%
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude
	North (km)	:	Longitude (DD/I	•
15.	Emission Point Comment:			·
	_			

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Plot Plan or Flow Diagram: FH-020		2. Emission Point Type Code: 4		
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:				
	Conveyor E1 to fuel storage pile				
			•		
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:				
	N/A				
5	Discharge Type Code: 6. Stack Height:			7. Exit Diameter:	
J.	F feet		•	feet	
8.	Exit Temperature: 9. Actual Volum 77 °F acfm		netric Flow Rate:	10. Water Vapor:	
11.	Maximum Dry Standard F dscfm		12. Nonstack Emission Point Height: feet		
13.	. Emission Point UTM Coordinates Zone: East (km):		14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)		
	North (km):		Longitude (DD/MM/SS)		
15. Emission Point Comment:					

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Plot Plan or Flow Diagram: FH-021		2. Emission Point Type Code: 4	
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:
	Conveyor E2 to fuel stor	age pile		
4.	ID Numbers or Descriptio N/A	ns of Emission Ui	nits with this Emission	n Point in Common:
5.	Discharge Type Code:	6. Stack Height	:	7. Exit Diameter:
	<u>F</u>	feet		feet
8.	Exit Temperature: 77 °F	9. Actual Volur	netric Flow Rate:	10. Water Vapor:
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	ion Point Height:
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude M/SS)
	North (km)	:	Longitude (DD/I	•
15.	Emission Point Comment:			

EMISSIONS UNIT INFORMATION

Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: FH-022 , H		2. Emission Point 7	Гуре Code:
	and FH-023b			
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:
	Fuel storage pile			
				· · · · · · · · · · · · · · · · · · ·
4.	ID Numbers or Descriptio N/A	ns of Emission Ui	nits with this Emission	n Point in Common:
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet
8.	Exit Temperature: 77 °F	9. Actual Volume	metric Flow Rate:	10. Water Vapor:
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:
13.	Emission Point UTM Coo	rdinates		Latitude/Longitude
	Zone: East (km):		Latitude (DD/MI	*
_	North (km)		Longitude (DD/I	MM/SS)
15.	Emission Point Comment:			
_			<u>.</u>	·

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

. Identification of Point on Plot Plan or Flow Diagram: FH-044		2. Emission Point Type Code: 4		
Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:	
Dozer operations of stor	age piles			
			•	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:				
N/A				
F feet feet				
Exit Temperature: 77 °F	9. Actual Volur acfm	netric Flow Rate:	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm 12. Nonstack Emission Point Height: feet				
	rdinates	14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)		
• •	:	Longitude (DD/MM/SS)		
Emission Point Comment:				
			į	
	Descriptions of Emission Dozer operations of stors ID Numbers or Description N/A Discharge Type Code: F Exit Temperature: 77 °F Maximum Dry Standard F dscfm Emission Point UTM Coor Zone: East (km): North (km)	Dozer operations of storage piles ID Numbers or Descriptions of Emission Unit N/A Discharge Type Code: F Exit Temperature: 77 °F Maximum Dry Standard Flow Rate: dscfm Emission Point UTM Coordinates	Descriptions of Emission Points Comprising this Emissions Unit Dozer operations of storage piles ID Numbers or Descriptions of Emission Units with this Emission N/A Discharge Type Code: F Exit Temperature: 77 °F Maximum Dry Standard Flow Rate: acfm Maximum Dry Standard Flow Rate: dscfm Emission Point UTM Coordinates Zone: East (km): North (km): Latitude (DD/M)	

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	. Identification of Point on Plot Plan or Flow Diagram: OMH-001		2. Emission Point Type Code: 4			
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: Truck dump to flux storage pile.					
4.	ID Numbers or Descriptio N/A	ns of Emission Ur	nits with this Emission	n Point in Common:		
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet		
8.	Exit Temperature: 77 °F	9. Actual Volumacfm	netric Flow Rate:	10. Water Vapor: %		
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:		
13.	Emission Point UTM Coor Zone: East (km): North (km)		14. Emission Point I Latitude (DD/M Longitude (DD/I	,		
15.	15. Emission Point Comment:					

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1.	Identification of Point on Flow Diagram: OMH-00 2		2. Emission Point 7	Гуре Code:
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:
	Flux storage pile mainte	nance.		
				· .
4.	ID Numbers or Description N/A	ns of Emission Ui	nits with this Emission	n Point in Common:
	IVA			
5	Discharge Type Code:	6. Stack Height	•	7. Exit Diameter:
. J.	F	feet	•	feet
8.	Exit Temperature:		netric Flow Rate:	10. Water Vapor:
1.1	77 °F	acfm	12 Nonatook Emissi	%
11.	Maximum Dry Standard F dscfm	iow Rate:	12. Nonstack Emissi feet	ion Point Height:
13.	Emission Point UTM Coo	rdinates		Latitude/Longitude
	Zone: East (km): North (km)		Latitude (DD/M Longitude (DD/I	,
15	Emission Point Comment:		Longitude (DD/1	<u> </u>
13.	Limission I out Comment.			•
			•	
			•	

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Flow Diagram: OMH-003		2. Emission Point?	Type Code:	
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:	
	Flux storage pile.				
4.	ID Numbers or Descriptio N/A	ns of Emission Ui	nits with this Emission	n Point in Common:	
5.	Discharge Type Code: F	Stack Height feet	•	7. Exit Diameter: feet	
8.	Exit Temperature: 77 °F	9. Actual Volur acfm	metric Flow Rate:	10. Water Vapor:	
11.	11. Maximum Dry Standard Flow Rate: dscfm 12. Nonstack Emission Point Height: feet				
13. Emission Point UTM Coordinates Zone: East (km): North (km):			14. Emission Point Latitude/Longitude Latitude (DD/MM/SS) Longitude (DD/MM/SS)		
15.	Emission Point Comment:				

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Plot Plan or Flow Diagram: OMH-004		2. Emission Point Type Code: 4		
3.	Descriptions of Emission	Points Comprising	this Emissions Unit	for VE Tracking:	
	Conveyor S to conveyor	D1/D2.			
				· · · · · · · · · · · · · · · · · · ·	
4.	ID Numbers or Descriptio N/A	ns of Emission Ur	nits with this Emission	n Point in Common:	
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter:	
8.	Exit Temperature: 77 °F	9. Actual Volumacfm	netric Flow Rate:	10. Water Vapor: %	
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:	
13.	Emission Point UTM Coor Zone: East (km): North (km)		14. Emission Point I Latitude (DD/M Longitude (DD/M	•	
15.	Sorth (km): Longitude (DD/MM/SS) 15. Emission Point Comment:				
				· · ·	
			<u>-</u>		

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Plot Plan or Flow Diagram: OMH-005		2. Emission Point Type Code: 4			
3.	Descriptions of Emission	Points Comprising	this Emissions Unit	for VE Tracking:		
	Underground reclaim sy	stem to conveyor	s.			
			•			
4.	ID Numbers or Descriptio N/A	ns of Emission Ur	nits with this Emission	n Point in Common:		
5.	5. Discharge Type Code: 6. Stack Height: 7. Exit Diameter: feet feet					
8.	Exit Temperature: 77 °F	9. Actual Volumacfm	netric Flow Rate:	10. Water Vapor: %		
11.	11. Maximum Dry Standard Flow Rate: dscfm 12. Nonstack Emission Point Height: feet					
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M)	Latitude/Longitude M/SS)		
	North (km)	:	Longitude (DD/MM/SS)			
15.	Emission Point Comment:					

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Plot Plan or Flow Diagram: AH-001		2.	Emission Point T 4	Type Code:
3.	. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: Auxiliary truck unloading.				
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A				
5.	 5. Discharge Type Code: Feet 6. Stack Height: 7. Exit Diameter: feet 				
8.	Exit Temperature: 77 °F	9. Actual Volum acfm	netri	c Flow Rate:	10. Water Vapor: %
11.	11. Maximum Dry Standard Flow Rate: dscfm 12. Nonstack Emission Point Height: feet				
13. Emission Point UTM Coordinates Zone: East (km):			14. Emission Point Latitude/Longitude Latitude (DD/MM/SS) Longitude (DD/MM/SS)		
15.	North (km) Emission Point Comment:			Eongrude (DD/II	TIVI 33)

EMISSIONS UNIT INFORMATION Section [1] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

1.	Identification of Point on Plot Plan or Flow Diagram: AH-002		2. Emission Point Type Code: 4		
3.	Descriptions of Emission	Points Comprising	this Emissions Unit	for VE Tracking:	
	Storage pile.				
			· .		
4.	ID Numbers or Descriptio N/A	ns of Emission Ur	nits with this Emission	n Point in Common:	
5.	Discharge Type Code: F	6. Stack Height feet	:	7. Exit Diameter: feet	
8.	Exit Temperature: 77 °F	9. Actual Volur acfm	netric Flow Rate:	10. Water Vapor:	
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emissi feet	on Point Height:	
13.	Emission Point UTM Coor Zone: East (km):	rdinates	14. Emission Point I Latitude (DD/M	Latitude/Longitude M/SS)	
	North (km)	:	Longitude (DD/I	MM/SS)	
15.	Emission Point Comment:				

EMISSIONS UNIT INFORMATION Section [1] of [8]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Pro	1. Segment Description (Process/Fuel Type):			
Fuel Yard				
	•			
2. Source Classification Coo 30510203	de (SCC):	3. SCC Units Tons Tra	s: nsferred or Handled	
4. Maximum Hourly Rate: 2,300	5. Maximum 2,850,000	Annual Rate:	6. Estimated Annual Activity Factor: N/A	
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:	
10. Segment Comment: Maximum Hourly Rate conveyor.	of 2,300 tons per	r hour is maxin	num transfer rate per	
Segment Description and R 1. Segment Description (Pro		of		
2. Source Classification Cod	le (SCC):	3. SCC Units	:	
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity Factor:	
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:	
10. Segment Comment:			<u> </u>	

EMISSIONS UNIT INFORMATION Section [1] of [8]

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM/PM10`	054	062	WP
-			
<u> </u>			
			
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F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM/PM10	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions:	4. Synthetically Limited?
lb/hour	tons/year Yes No
5. Range of Estimated Fugitive Emis	sions (as applicable):
1.00 to 5.00 tons/year	
6. Emission Factor:	7. Emissions
	Method Code:
Reference:	
8. Calculation of Emissions:	
9. Pollutant Potential/Estimated Fugi	
Emission Unit throughput limite	d to 2,850,000 tons per year.

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions 1 of 1

Basis for Allowable Emissions Coo RULE	de: 2. Future Effective Date of Allowable Emissions: N/A						
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:						
5 % opacity	N/A lb/hour N/A tons/year						
5. Method of Compliance:							
EPA Reference Method 9							
	•						
6. Allowable Emissions Comment (D	escription of Operating Method):						
Annual Visible Emissions (VE) Test to be performed on the following fugitive							
emission locations: FH-005, FH-013, and FH-020 or FH-021.							
62-296.711(2)(a), F.A.C.							

	Allowable Emission:	Allowable Emissions	of	
--	---------------------	---------------------	----	--

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

Section [1] of [8]	Page [1] of [1]							
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 Emissi	<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>							
Visible Emissions Subtype: VE05	2. Basis for Allowable Opacity: ☐ Rule ☐ Other							
3. Allowable Opacity: Normal Conditions: 5% Ex Maximum Period of Excess Opacity Allower	acceptional Conditions: % ed: min/hour							
4. Method of Compliance: EPA Reference Method 9.								
5. Visible Emissions Comment: Rule 62-296.711(2)(a), F.A.C.								
	· · · · ·							
<u>Visible Emissions Limitation:</u> Visible Emissions Limitation 2 of 2								
Visible Emissions Subtype: VE	2. Basis for Allowable Opacity: ☐ Rule ☐ Other							
Allowable Opacity: Normal Conditions: Maximum Period of Excess Opacity Allower	ceptional Conditions: 100 % ed: 60 min/hour							
4. Method of Compliance: EPA Reference Method 9.								
5. Visible Emissions Comment:								
Excess emissions due to startup, shutdown, and malfunction are permitted provided best operational practices to minimize emissions are adhered to and the duration of excess emissions do not exceed two hours in any 24 hour period per Rule 62-210.700(1), F.A.C.								

EMISSIONS UNIT INFORMATION Section [1] of [8]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1.	Parameter Code: N/A	2. Pollutant(s):
3.	CMS Requirement:	Rule Other
4.	Monitor Information Manufacturer:	
	Model Number:	Serial Number:
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment:	
Co	ntinuous Monitoring System: Continuous	Monitorof
1.	Parameter Code:	2. Pollutant(s):
3.	CMS Requirement:	Rule Other
4.	Monitor Information Manufacturer:	
	Model Number:	Serial Number:
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION Section [1] of [8]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) N/A
	Attached, Document ID: Previously Submitted, Date
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
<u> </u>	Attached, Document ID: Not Applicable
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) N/A
	Attached, Document ID: Previously Submitted, Date
5. <u>></u>	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: 0570040-017-AVPermit Condition E-9 Not Applicable
6.	Compliance Demonstration Reports/Records Attached, Document ID:
	Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date:
	Test Date(s)/Pollutant(s) Tested:
	To be Submitted, Date (if known):
	Test Date(s)/Pollutant(s) Tested:
	Not Applicable
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable

EMISSIONS UNIT INFORMATION N/A Section [1] of [8]

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))
☐ Attached, Document ID: ☐ Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and
Rule 62-212.500(4)(f), F.A.C.)
Attached, Document ID: Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)
Attached, Document ID: Not Applicable
Additional Requirements for Title V Air Operation Permit Applications
 Identification of Applicable Requirements Attached, Document ID: Attachment 6
2. Compliance Assurance Monitoring Attached, Document ID: Not Applicable
3. Alternative Methods of Operation Attached, Document ID: Not Applicable
4. Alternative Modes of Operation (Emissions Trading) ☐ Attached, Document ID:
5. Acid Rain Part Application Certificate of Representation (EPA Form No. 7610-1) Copy Attached, Document ID: Acid Rain Part (Form No. 62-210.900(1)(a)) Attached, Document ID: Previously Submitted, Date: Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: Previously Submitted, Date: New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: Previously Submitted, Date: Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Not Applicable

EMISSIONS UNIT INFORMATION Section [1] of [8]	
Additional Requirements Comment	

EMISSIONS UNIT INFORMATION Section [2] of [8]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.	1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)									
	 ☑ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. ☑ The emissions unit addressed in this Emissions Unit Information Section is an 									
	unregulated emissions unit.									
<u>E1</u>	Emissions Unit Description and Status									
1.	1. Type of Emissions Unit Addressed in this Section: (Check one)									
	process of		activity, which	dresses, as a single en n produces one or mor int (stack or vent)						
	This Emi	ssions Unit Informat	ion Section add	dresses, as a single en ich has at least one de	nissions unit, a group of efinable emission point					
				dresses, as a single em es which produce fug						
2.	_	of Emissions Unit Ac								
		•	_	•	ng a nominal rating of					
169	9 megawatts ((MW). The CT is fin	red exclusively	using pipeline qual	ity natural gas.					
3.	Emissions U	nit Identification Nur	mber: 020							
4.	Emissions	5. Commence	6. Initial	7. Emissions Unit	8. Acid Rain Unit?					
	Unit Status	Construction	Startup	Major Group	∑ Yes					
	Code:	Date:	Date:	SIC Code:	No No					
	A 77.4	04/01/01	03/12/03	49						
9.	Package Unit	:: :: General Electric		Model Number: PG7	1241(FA)					
10.		ameplate Rating: 16	9 MW (nomin		241(FA)					
	Emissions Un									
	11. Dimonono oni Continuit.									

EMISSIONS UNIT INFORMATION Section [2] of [8]

Emissions	Unit [Control	Eg	ui	pment

Emissions Unit Control Equipment		
1. Control Equipment/Method(s) Description:		
NO _x Controls		
Dry low-NOx combustors Selective Catalytic Reduction (SCR)		
		÷
•		
	·	
2. Control Device or Method Code(s): 025 (staged combustors), 065 (catalytic reduction)	combustion, i.e. dry low-NO _x	
		_

EMISSIONS UNIT INFORMATION Section | 2] of [8]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) **Emissions Unit Operating Capacity and Schedule**

. Maximum Process or Throughput Rate: N/A						
2. Maximum Production Rate: N/A						
3. Maximum Heat Input Rate: 1,842 (HHV) million Btu/hr						
Maximum Incineration Rate: pounds/hr N/A						
tons/day						
5. Requested Maximum Operating Schedule:						
24 hours/day	7 days/week					
52 weeks/year	8,760 hours/year					
vraximum neat indut is daseu on nigher neathig value (111)	(V) of natural gas at 100%					
Maximum heat input is based on higher heating value (HH oad and 59 °F. Heat input will vary with load and ambient						

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

:		
14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)		
Longitude (DD/MM/SS)		
59°F.		
-59°		

EMISSIONS UNIT INFORMATION Section [2] of [8]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type):								
Combined-Cycle Combustion Turbine fired with pipeline quality natural gas.								
2. Source Classification Co	ode (SCC):	3. SCC Units	<u> </u>					
20100201		Million Cubic Feet Burned						
4. Maximum Hourly Rate: 1.934	5. Maximum 16,941.8	Annual Rate:	6.	Estimated Annual Activity Factor: N/A				
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 925				
10. Segment Comment:	•							
Fuel heat content (Field 9) represents lower	r heating value.						
		8						
				· 				
Segment Description and I	Rate: Segment	of						
Segment Description (Property of the Control o								
2. Source Classification Co	ode (SCC):	3. SCC Units	:					
4. Maximum Hourly Rate:	5. Maximum	Amnual Datas	T 6	Estimated Annual Activity				
4. Maximum Hourry Rate.	J. Maximum	Allitual Rate.	0.	Factor:				
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:				
10. Segment Comment:								
				<i>:</i>				

EMISSIONS UNIT INFORMATION

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E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1.	Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
	NOX	025,065		EL
	CO			EL
	PM			EL
	PM10			EL
	SO2			EL .
	SAM			EL
	VOC			EL

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: NOX	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions: 23.1 lb/hour 101.2	4. Synthetically Limited? tons/year Yes No
5. Range of Estimated Fugitive Emissions (as to tons/year	<u> </u>
6. Emission Factor: Reference:	7. Emissions Method Code: 0
8. Calculation of Emissions:	
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:
	•

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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

Basis for Allowable Emissions Code: OTHER	Future Effective Date of Allowable Emissions: N/A					
3. Allowable Emissions and Units: 3.5 ppmvd @ 15% O ₂ , 24-hour block	4. Equivalent Allowable Emissions: 23.1 lb/hour 101.2 tons/year					
5. Method of Compliance: EPA Reference Method 7E (initial) or NO _x CEMS						
6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to less stringent NO _x limits of 40 CFR 60.332						

Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date of Allowable Emissions: N/A			
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:			
	N/A		23.1 lb/hour N/A tons/year			
5.	Method of Compliance: EPA Reference Method 7E (initial)					
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A	of (Operating Method):			

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions: 28.7 lb/hour 125.7 t	4. Synthetically Limited? Cons/year Yes No
5. Range of Estimated Fugitive Emissions (as ap to tons/year	pplicable):
6. Emission Factor: 28.7 lb/hr Reference:	7. Emissions Method Code: 0
8. Calculation of Emissions:	
9. Pollutant Potential/Estimated Fugitive Emission	ons Comment:

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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 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Da Emissions: N/A	te of Allowable		
3.	Allowable Emissions and Units:	4.	Equivalent Allowab	le Emissions:		
	7.8 ppmvd @ 15% O ₂		28.7 lb/hour	125.7 tons/year		
5.	Method of Compliance:					
	EPA Reference Method 10 or CO CEMS (initial)					
6.	Allowable Emissions Comment (Description of Operating Method):					
	Air Permit No. PSD-FL-301A;					
	62-212.400(BACT); F.A.C.					

Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowable Emissions: 28.7 lb/hour N/A tons/year
5.	Method of Compliance: EPA Reference Method 10 or CO CEMS (initi	ial)
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT): F.A.C.	of (Operating Method):

Allowable Emissions Allowable Emissions 3 of 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A				
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:				
	9.0 ppmvd @ 15% O ₂ , 24-hour block		N/A lb/hour N/A tons/year				
ave	erage ·						
5.	5. Method of Compliance:						
	CO CEMS						
6.	Allowable Emissions Comment (Description	of (Operating Method):				
	Air Permit No. PSD-FL-301A;						
	62-212.400(BACT); F.A.C.						

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions: 20.5 lb/hour 88.9	4. Synthetically Limited? tons/year
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):
6. Emission Factor: 20.5 lb/hr Reference: Sargent & Lundy	7. Emissions Method Code: 2
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load and	data for 100% load and 18 °F. Annual d 59 °F) for 8,760 hr/yr.
9. Pollutant Potential/Estimated Fugitive Emis PM emissions represent filterable and conde EPA reference methods 201 and 202.	

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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.

	nissions limitation. lowable Emissions Allowable Emissions	<u>1</u> of <u>1</u>
1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
5.	Method of Compliance: EPA Reference Method 9	1
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	on of Operating Method):
<u>Al</u>	lowable Emissions Allowable Emissions	<u>o</u> f
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance:	,
6.	Allowable Emissions Comment (Description	on of Operating Method):

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of Control: N		
3. Potential Emissions: 20.5 lb/hour 88.9	4. Synth tons/year Ye	etically Limited?	
5. Range of Estimated Fugitive Emissions (as to tons/year	,	23 240	
6. Emission Factor: 20.5 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2	
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load and		18 °F. Annual	
9. Pollutant Potential/Estimated Fugitive Emis PM10 emissions represent filterable and o by EPA reference methods 201 and 202.		matter as measured	
PM and PM10 are assumed to be equal.	_	•	

EMISSIONS UNIT INFORMATION
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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.

	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
	Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
	Method of Compliance: EPA Reference Method 9	1
	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A;	in or Operating Method).
	owable Emissions Allowable Emissions	of
Alle	owable Emissions Allowable Emissions Basis for Allowable Emissions Code:	of 2. Future Effective Date of Allowable Emissions:
All e	owable Emissions Allowable Emissions	2. Future Effective Date of Allowable
Allo 1.	owable Emissions Allowable Emissions Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:4. Equivalent Allowable Emissions:

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SO2	2. Total Percent Efficiency of Control: N/A		
3. Potential Emissions:		4. Synthetically Limited?	
11.1 lb/hour 45.1	tons/year	Yes 🖾 No	
5. Range of Estimated Fugitive Emissions (as	applicable):		
to tons/year			
6. Emission Factor: 11.1 lb/hr		7. Emissions	
		Method Code:	
Reference: Sargent & Lundy		2	
8. Calculation of Emissions: (2.0 gr S/ 100 scf) x (1.934 x 10 ⁶ ft ³ /l 11.1 lb/hr. Annual emissions based on 10.3 lb	o/hr (100% loa	d and 59 °F) for 8,760 hr/yr.	
9. Pollutant Potential/Estimated Fugitive Emis	sions Commen	t:	

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POLLUTANT DETAIL INFORMATION
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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.

	nissions limitation. <u>lowable Emissions</u> Allowable Emissions _	<u>1</u> of <u>1</u>
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 11.1 lb/hour 45.1 tons/year
5.	Method of Compliance: Fuel analysis for sulfur content per 40 C	FR Part 75 requirements.
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree;	on of Operating Method):
	Also subject to the less stringent fuel sul	fur limits of 40 CFR 60.333.
All	lowable Emissions Allowable Emissions	<u>o</u> f
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance:	
6.	Allowable Emissions Comment (Description	on of Operating Method):

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SAM			2. Total Percent Efficiency of Control: N/A			
3.	Potential Emis	sions:			4. Synthe	etical <u>ly</u> Limited?
		2.0 lb/hour	8.3	tons/year	Ye	s 🛛 No
5.	Range of Estin	nated Fugitive Emis	sions (as	applicable):		
	to	tons/year				
6.	Emission Factor	or: 2.0 lb/hr				7. Emissions
_	•					Method Code:
	ference: Sargen					2
of	SO ₂ to SO ₃ (SC		version o	f SO ₃ to H ₂ SO	- •	CT), 4% conversion emission based on
		ntial/Estimated Fugi				

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 1 1. Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable **OTHER** Emissions: N/A 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: **Pipeline Quality Natural Gas 2.0** lb/hour 8.3 tons/year 5. Method of Compliance: Fuel analysis for sulfur content per 40 CFR Part 75 requirements. 6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; **DEP/TEC Consent Final Judgement;** EPA/TEC Consent Decree. Allowable Emissions Allowable Emissions 1. Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable Emissions: 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: lb/hour tons/year 5. Method of Compliance: 6. Allowable Emissions Comment (Description of Operating Method):

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section | 2 | of | 8 | Page | 13 | of | 14 |

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:				
3. Potential Emissions: 3.0 lb/hour 12.3	tons/year 4. Synth	netically Limited? es 🛛 No			
5. Range of Estimated Fugitive Emissions (as to tons/year	s applicable):				
6. Emission Factor: 3.0 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code:			
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 2.8 lb/hr (100% load and		18 °F. Annual			
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:				

POLLUTANT DETAIL INFORMATION Page [14] of [14]

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 1							
1.	Basis for Allowable Emissions Code: RULE	Future Effective Date of Allowable Emissions: N/A					
3. op	Allowable Emissions and Units: Efficient combustion design and eration	4. Equivalent Allowable Emissions: 3.0 lb/hour 12.3 tons/year					
5.	Method of Compliance: Compliance with CO standards						
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.	n of Operating Method):					
All	lowable Emissions Allowable Emissions	of					
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:					
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year					
5.	Method of Compliance:						
6.	Allowable Emissions Comment (Descriptio	n of Operating Method):					

G. VISIBLE EMISSIONS INFORMATION						
Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.						
Visible Emissions Limitation: Visible Emiss	ions Limitation 1 of 2					
Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: ☐ Rule ☐ Other					
3. Allowable Opacity: Normal Conditions: 10% Ex Maximum Period of Excess Opacity Allow	sceptional Conditions: % ed: min/hour					
4. Method of Compliance: EPA Reference Method 9, 6-minute average	•					
5. Visible Emissions Comment: Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.						
Visible Emissions Limitation: Visible Emissi	ons Limitation 2 of 2					
1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: Rule Other					
3. Allowable Opacity: Normal Conditions: 10 % Ex Maximum Period of Excess Opacity Allow	acceptional Conditions: 20 % 60 min/day					
4. Method of Compliance: EPA Reference Method 9.						
5. Visible Emissions Comment:	-					
Visible emissions during startup, shutdown of up to ten 6-minute averaging periods per day 20%. Air Permit No. PSD-FL-301A Rule 62-212.400(BACT), F.A.C and 62-210.7	y during which the opacity shall not exceed					

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EMISSIONS UNIT INFORMATION

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H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 3

1.	Parameter Code: EM	2.	Pollutant(s): NOX			
3.	CMS Requirement:	\boxtimes	Rule Other			
4.	Monitor Information Manufacturer: Thermo Environmental					
	Model Number: 42 CLS		Serial Number: 72737-371			
5.	5. Installation Date: 3/15/03 6. Performance Specification Test Date: 4/23/03					
7.	Continuous Monitor Comment:					
	Required by 40 CFR Part 75 (Acid Rain	Prog	gram).			
			· · · · · · · · · · · · · · · · · · ·			
Co	ontinuous Monitoring System: Continuous	Moi	nitor <u>2</u> of <u>3</u>			
1.	Parameter Code: CO ₂	2.	Pollutant(s): Carbon Dioxide			
3.	CMS Requirement:	\boxtimes	Rule			
4.	Monitor Information Manufacturer: Siemens					
	Model Number: Ultramat 6		Serial Number: N1-ND-0876			
5.	Installation Date: 3/15/03	6.	Performance Specification Test Date: 4/23/03			
7.	Continuous Monitor Comment:		•			
	Required by 40 CFR Part 75 (Acid Rain	Prog	gram).			

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 3 of 3

1.	Parameter Code: EM	meter Code: EM 2. Pollutant(s): CO						
3.	CMS Requirement:	\boxtimes	Rule	Other				
4.	Monitor Information Manufacturer: Thermo Environmental Model Number: 48 C		Sarial Number	180 73681 271				
5.	Installation Date:							
٥.	3/15/03		4/23/03	incation Test Date:				
7.	Continuous Monitor Comment:							
	Required by Air permit No. PSD-FL-301.	A.						
	•							
	·							
Co	ntinuous Monitoring System: Continuous	Moni	torof	-				
1.	Parameter Code:	2.	Pollutant(s):					
3.	CMS Requirement:		Rule	Other				
4.	Monitor Information Manufacturer:							
	Model Number:		Serial Number	·				
5.	Installation Date:	6.	Performance Spec	ification Test Date:				
7.	Continuous Monitor Comment:							
			•					

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 11 Previously Submitted, Date
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 12 Not Applicable
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 13 Previously Submitted, Date
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Not Applicable
6.	Compliance Demonstration Reports/Records Attached, Document ID:
	Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: <u>June 4, 2003</u>
	Test Date(s)/Pollutant(s) Tested: See additional requirements comment.
	To be Submitted, Date (if known):
	Test Date(s)/Pollutant(s) Tested:
	Not Applicable
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable

EMISSIONS UNIT INFORMATION N/A

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Additional	Requirements	for Air (Construction 1	Permit A	pr	<u>olications</u>

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))
Attached, Document ID: Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) Attached, Document ID: Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) Attached, Document ID: Not Applicable
Additional Requirements for Title V Air Operation Permit Applications
1. Identification of Applicable Requirements
2. Compliance Assurance Monitoring Attached, Document ID: Not Applicable
3. Alternative Methods of Operation Attached, Document ID: Not Applicable
4. Alternative Modes of Operation (Emissions Trading) Attached, Document ID: Not Applicable
S. Acid Rain Part Application Certificate of Representation (EPA Form No. 7610-1) Copy Attached, Document ID: Attachment 14 Acid Rain Part (Form No. 62-210.900(1)(a)) Attached, Document ID: Attachment 15 Previously Submitted, Date: Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: Previously Submitted, Date: New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)3.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Not Applicable

Additional Requirements Comment			
04/23/03—Ammonia slip, VE, CO, NO _x			
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A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.	1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)								
	The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.								
	The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.								
Eı	nissions Unit	Desc	eription and Sta	atus					
1.	Type of Emi	ssion	s Unit Addresse	d ir	this Section	n: ((Check one)		
-	process o	or pro		acti	ivity, which	pro	ses, as a single emoduces one or mor stack or vent).		
	process o	r pro		ıd a	ctivities wh	ich	has at least one de		ons unit, a group of ble emission point
	_						ses, as a single em		
2.	-		nissions Unit Ad						
16		•			_		or (CT-1B) havin ing pipeline qual	_	nominal rating of atural gas.
3.	Emissions U	nit Id	lentification Nur	mbe	r: 021			_	
4.	Emissions Unit Status Code:		Commence Construction Date: 04/01/01	6.	Initial Startup Date: 03/10/03	7.	Emissions Unit Major Group SIC Code:	8.	Acid Rain Unit? ⊠ Yes □ No
9.	Package Unit		neral Electric			∟ Mo	del Number: PG7	241	(FA)
10.			plate Rating: 16	9 M					(=)
11.	Emissions U	nit Co	omment:	_				_	

Emissions	Unit	Control	Equi	ipment
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Emissions Unit Control Equipm	ient			
1. Control Equipment/Method(s)	Description:			
NOx Controls				
Dry low-NOx combustors Selective Catalytic Reduction (S	CR)			٠
		·		
			ı	
		·		
		•		
2. Control Device or Method Coccombustors), 065 (catalytic redu		ombustion, i.e. di	ry low-NO _x	

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: N/A
2.	Maximum Production Rate: N/A
3.	Maximum Heat Input Rate: 1,842 (HHV) million Btu/hr
4.	Maximum Incineration Rate: pounds/hr N/A
	tons/day
5.	Requested Maximum Operating Schedule:
	24 hours/day 7 days/week
	52 weeks/year 8,760 hours/year
6.	Operating Capacity/Schedule Comment:
	aximum heat input is based on higher heating value (HHV) of natural gas at 100% and 59 °F. Heat input will vary with load and ambient temperature.

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1.	Identification of Point on Flow Diagram: CT-1B	Plot Plan or	2. Emission Point 7	Гуре Code:		
3.	Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:		
	N/A					
4.	ID Numbers or Description N/A	ns of Emission Ui	nits with this Emissio	n Point in Common:		
5.	Discharge Type Code: V	6. Stack Height: 150 feet		7. Exit Diameter: 19.0 feet		
8.	Exit Temperature: 220 °F	9. Actual Volur 1,030,000 ac	netric Flow Rate: fm	10. Water Vapor: % N/A		
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emission Point Height: feet			
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)			
	North (km)		Longitude (DD/MM/SS)			
15.	Emission Point Comment:					
15. Emission Point Comment: Stack temperature and flow rate is based on 100 % load at ambient temperature of 59°F. Stack temperature and flow rate will vary with load and ambient temperature.						

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type):									
Combined-Cycle Combustion Turbine fired with pipeline quality natural gas.									
2. Source Classification Co	ode (SCC):	3. SCC Units	 S:						
20100201			ubic	Feet Burned					
4. Maximum Hourly Rate: 1.934	5. Maximum 16,941.8	Annual Rate:	6.	Estimated Annual Activity Factor: N/A					
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 925					
10. Segment Comment:	,								
Fuel heat content (Field 9)	represents lowe	r heating value.							
1 4 5 7 5 4 4 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6		•	•	·					
Segment Description and F	Pata: Sagment	t of							
1. Segment Description (Pr	ocess/Fuel Type).	•							
2. Source Classification Co	de (SCC):	3. SCC Units	 ;;						
	·								
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity Factor:					
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:					
10. Segment Comment:			ı						

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1.	Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
	NOX	025,065		EL
	CO			EL
	PM			EL
	PM10			EL
	SO2			EL
	SAM			EL
	VOC			EL
			_	
		-		

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: NOX	2. Total Percent Efficiency of Control: N/A		
3. Potential Emissions:	4. Syr	nthetically Limited?	
23.1 lb/hour 101.2	tons/year	Yes 🛛 No	
5. Range of Estimated Fugitive Emissions (as	applicable):		
to tons/year			
6. Emission Factor:		7. Emissions	
		Method Code:	
Reference:		0	
8. Calculation of Emissions:			
		•	
9. Pollutant Potential/Estimated Fugitive Emis	sions Comment:		
		•	

POLLUTANT DETAIL INFORMATION
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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

Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A				
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
3.5 ppmvd @ 15% O ₂ , 24-hour block	23.1 lb/hour 101.2 tons/year				
average					
5. Method of Compliance:					
EPA Reference Method 7E (initial) or NO	x CEMS				
6. Allowable Emissions Comment (Description	of Operating Method):				
Air Permit No. PSD-FL-301A;					
DEP/TEC Consent Final Judgement;					
EPA/TEC Consent Decree;	•				
Also subject to less stringent NO _x limits of 40	CFR 60.332				
_					

Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A				
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowab 23.1 lb/hour	le Emissions: N/A tons/year		
5.	Method of Compliance: EPA Reference Method 7E (initial)					
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A	of (Operating Method):			

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: CO	2. Total Percent Efficient	ncy of Control: N/A
3. Potential Emissions: 28.7 lb/hour 125.7	<u></u>	etically Limited?
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 28.7 lb/hr Reference:		7. Emissions Method Code: 0
8. Calculation of Emissions:		
	·	,
9. Pollutant Potential/Estimated Fugitive Emis	sions Comment:	

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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 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: 7.8 ppmvd @ 15% O ₂	4.	Equivalent Allowable Emissions: 28.7 lb/hour 125.7 tons/year
5.	Method of Compliance: EPA Reference Method 10 or CO CEMS (initi	ial)
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	of (Operating Method):

Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A				
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
	N/A		28.7 lb/hour N/A tons/year			
5.	Method of Compliance:					
	EPA Reference Method 10 or CO CEMS (initial)					
6.	Allowable Emissions Comment (Description of Operating Method):					
	Air Permit No. PSD-FL-301A;					
	62-212.400(BACT); F.A.C.					

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

1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A				
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissio			
	9.0 ppmvd @ 15% O ₂ , 24-hour block		N/A lb/hour N/A tons	/year		
av	erage					
5.	. Method of Compliance:					
	CO CEMS					
6.	6. Allowable Emissions Comment (Description of Operating Method):					
	Air Permit No. PSD-FL-301A;					
	62-212.400(BACT); F.A.C.					

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

2. Total Percent Efficiency of Control: N/A						
	4. Synthetically Limited?					
tons/year	🗋 Yes 🖄 No					
applicable):						
	7. Emissions					
	Method Code:					
	2					
d 59 °F) for 8,7						
9. Pollutant Potential/Estimated Fugitive Emissions Comment: PM emissions represent filterable and condensable particulate matter as measured by EPA reference methods 201 and 202.						
	tons/year s applicable): data for 100% d 59 °F) for 8,7					

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: 10% opacity	4.	Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
5.	Method of Compliance: EPA Reference Method 9		1
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	of C	Operating Method):

Allowable Emissions Allowable Emissions of

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

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Percent Effici	ency of Control: N/A
3. Potential Emissions:		hetically Limited?
20.5 lb/hour 88.9	tons/year Y	es 🛛 No
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 20.5 lb/hr		7. Emissions
		Method Code:
Reference: Sargent & Lundy		2
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load an	d 59 °F) for 8,760 hr/yr.	
9. Pollutant Potential/Estimated Fugitive Emis PM10 emissions represent filterable and by EPA reference methods 201 and 202.		matter as measured
PM and PM10 are assumed to be equal.		

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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.

•	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
5.	Method of Compliance: EPA Reference Method 9	
5.	Allowable Emissions Comment (Descript	tion of Operating Method):
	Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	ion of operating wethout.
	Air Permit No. PSD-FL-301A;	
<u>All</u>	Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	
<u>All</u>	Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C. owable Emissions Allowable Emissions	of 2. Future Effective Date of Allowable
1.	Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C. owable Emissions Allowable Emissions Basis for Allowable Emissions Code:	of 2. Future Effective Date of Allowable Emissions: 4. Equivalent Allowable Emissions:

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SO2	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions: 11.1 lb/hour 45.1	4. Synthetically Limited? tons/year
5. Range of Estimated Fugitive Emissions (as to tons/year	s applicable):
6. Emission Factor: 11.1 lb/hr Reference: Sargent & Lundy	7. Emissions Method Code: 2
8. Calculation of Emissions: (2.0 gr S/ 100 scf) x (1.934 x 10 ⁶ ft ³ / 11.1 lb/hr. A. aual emissions based on 10.3 lb	hr) x (1 lb S/ 7,000 gr S) x (2 lb SO ₂ /lb S) = b/hr (100% load and 59 °F) for 8,760 hr/yr.
9. Pollutant Potential/Estimated Fugitive Emi	ssions Comment:

POLLUTANT DETAIL INFORMATION Page [10] of [14]

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 Emission	ns <u>1</u> of <u>1</u>
Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 11.1 lb/hour 45.1 tons/year
5. Method of Compliance: Fuel analysis for sulfur content per 4	0 CFR Part 75 requirements.
6. Allowable Emissions Comment (Description of Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel	;
Allowable Emissions Allowable Emission	ns <u>o</u> f
1. Basis for Allowable Emissions Code:	Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5 Method of Compliance:	·

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

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [3] of [8] Page [11] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SAM	2. Total Percent Efficie	ncy of Control: N/A
3. Potential Emissions: 2.0 lb/hour 8.3	tons/year 4. Synth	etically Limited?
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 2.0 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2
8. Calculation of Emissions: Hourly rate based on 8 % conversion of SO ₂ to SO ₃ (SCR) and 100 % conversion o above conversions at 100% load and 59 °F fo	f SO3 to H2SO4. Annual r 8,760 hr/yr.	, .
9. Pollutant Potential/Estimated Fugitive Emis	sions Comment:	

Allowable Emissions Allowable Emissions 1 of 1

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 2.0 lb/hour 8.3 tons/year
5. Method of Compliance:	
Fuel analysis for sulfur content per 40 (CFR Part 75 requirements.

AI	IOWADIE Emissions Allowable Emissions	<u>o</u> ı _	
1.	Basis for Allowable Emissions Code:		Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance:		
6.	Allowable Emissions Comment (Description	of O	perating Method):

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [3] of [8] Page [13] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:	
3. Potential Emissions: 3.0 lb/hour 12.3	tons/year 4. Synth	netically Limited? es 🛛 No
5. Range of Estimated Fugitive Emissions (at to tons/year	s applicable):	
6. Emission Factor: 3.0 lb/hr		7. Emissions Method Code:
Reference: Sargent & Lundy 8. Calculation of Emissions:		2
Hourly emission rate based on GE emissions based on 2.8 lb/hr (100% load and	l 59 °F) for 8,760 hr/yr.	18 °F. Annual
9. Pollutant Potential/Estimated Fugitive Emi	ssions Comment:	

POLLUTANT DETAIL INFORMATION Page [14] of [14]

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

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

Allowable Emissions 1 of 1				
Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A			
3. Allowable Emissions and Units: Efficient combustion design and operation	4. Equivalent Allowable Emissions: 3.0 lb/hour 12.3 tons/year			
5. Method of Compliance: Compliance with CO standards				
 Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C. 	n of Operating Method):			
Allowable Emissions Allowable Emissions	<u>o</u> f			
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:			
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year			
5. Method of Compliance:				
6. Allowable Emissions Comment (Description	n of Operating Method):			

G. VISIBLE EMISS	SIONS INFORMATION
Complete if this emissions unit is or would be emissions limitation.	oe subject to a unit-specific visible
Visible Emissions Limitation: Visible Emiss	sions Limitation 1 of 2
1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: Rule Other
3. Allowable Opacity: Normal Conditions: 10% E Maximum Period of Excess Opacity Allow	xceptional Conditions: % yed: min/hour
4. Method of Compliance: EPA Reference Method 9, 6-minute average	·.
5. Visible Emissions Comment: Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.	
Visible Emissions Limitation: Visible Emiss	ions Limitation 2 of 2
1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: Rule Other
3. Allowable Opacity: Normal Conditions: 10 % Example Maximum Period of Excess Opacity Allow	xceptional Conditions: 20 % 60 min/day
4. Method of Compliance: EPA Reference Method 9.	
5. Visible Emissions Comment:	
Visible emissions during startup, shutdown up to ten 6-minute averaging periods per da 20%. Air Permit No. PSD-FL-301A Pula 62-212 400(BACT), F.A.C. and 62-210.	y during which the opacity shall not exceed

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EMISSIONS UNIT INFORMATION Section [3] of [8]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 3

1.	Parameter Code: EM	2.	Pollutant(s): NO _X
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Thermo Environmental Model Number: 42 CLS		Serial Number: 72742-371
5.	Installation Date: 3/15/03	6.	Performance Specification Test Date: 4/17/03
7.	Continuous Monitor Comment:		
	Required by 40 CFR Part 75 (Acid Rain	Prog	gram).
Со	ntinuous Monitoring System: Continuous	Mon	nitor <u>2</u> of <u>3</u>
1.	Parameter Code: CO ₂	2.	Pollutant(s): Carbon Dioxide
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Siemens		
_	Model Number: Ultramat 6		Serial Number: N1-ND-0870
5.	Installation Date: 3/15/03	6.	Performance Specification Test Date: 4/17/03
7.	Continuous Monitor Comment:		
	Required by 40 CFR Part 75 (Acid Rain)	Prog	gram).
	· · · · · · · · · · · · · · · · · · ·		

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 3 of 3

1.	Parameter Code: EM	2.	Pollutant(s): CO	
3.	CMS Requirement:	\boxtimes	Rule	Other
4.	Monitor Information Manufacturer: Thermo Environmental			
	Model Number: 48 C			r: 48C-73423-373
5.	Installation Date: 3/15/03	6.	Performance Spe 4/17/03	cification Test Date:
7.	Continuous Monitor Comment:			
	Required by Air permit No. PSD-FL-3012	4.		
Co	entinuous Monitoring System: Continuous	Mon	nitorof	
1.	Parameter Code:	2.	Pollutant(s):	
3.	CMS Requirement:		Rule	Other
4.	Monitor Information Manufacturer:		_	
	Model Number:		Serial Numbe	r:
5.	Installation Date:	6.	Performance Spec	cification Test Date:
7.	Continuous Monitor Comment:			

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date						
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 11 Previously Submitted, Date						
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 12 Not Applicable						
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)						
_	Attached, Document ID: Attachment 13 Previously Submitted, Date						
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Not Applicable						
6.	Compliance Demonstration Reports/Records Attached, Document ID:						
	Test Date(s)/Pollutant(s) Tested:						
	Previously Submitted, Date: <u>June 4, 2003</u>						
	Test Date(s)/Pollutant(s) Tested: See additional requirements comment.						
	To be Submitted, Date (if known):						
	Test Date(s)/Pollutant(s) Tested:						
	Not Applicable						
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.						
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable						

EMISSIONS UNIT INFORMATION N/A

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Additional Requirements for Air Construction Permit Applications
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1.	1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))					
	☐ Attached, Document ID: ☐ Not Applicable					
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) Attached, Document ID: Not Applicable					
3.	Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) Attached, Document ID: Not Applicable					
Ac	Iditional Requirements for Title V Air Operation Permit Applications					
1.	Identification of Applicable Requirements Attached, Document ID: Attachments 6-1 and 6-2					
	Compliance Assurance Monitoring Attached, Document ID: Not Applicable					
	Alternative Methods of Operation Attached, Document lD: Not Applicable					
4.	Alternative Modes of Operation (Emissions Trading) Attached, Document ID: Not Applicable					
5.	Acid Rain Part Application Certificate of Representation (EPA Form No. 7610-1) Copy Attached, Document ID: Attachment 14 Acid Rain Part (Form No. 62-210.900(1)(a)) Attached, Document ID: Attachment 15 Previously Submitted, Date: Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: Previously Submitted, Date: New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: Previously Submitted, Date: Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: Previously Submitted, Date: Phase Il NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: Previously Submitted, Date: Phase Il NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Not Applicable					

Additional	Requ	uirements	Comment

04/17/03—Ammonia slip, VE, CO, NO_x

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.	Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)									
	 ☑ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. ☐ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit. 									
Emissions Unit Description and Status										
1.	Type of Emi	ssions Unit Addresse	ed in this Sectio	n: ((Check one)	-				
	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).									
	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.									
	☐ This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.									
2.	2. Description of Emissions Unit Addressed in this Section:									
One combined-cycle combustion turbine generator (CT-1C) having a nominal rating of										
169 megawatts (MW). The CT is fired exclusively using pipeline quality natural gas.										
3.		nit Identification Nur								
4.	Emissions	5. Commence	6. Initial	7.	Emissions Unit	8. Acid Rain Unit?				
	Unit Status Code:	Construction Date:	Startup Date:		Major Group SIC Code:	⊠ Yes □ No				
	A	04/01/01	03/09/03		49					
9.	Package Unit	:								
1.0	Manufacturer: General Electric Model Number: PG7241(FA)									
10. Generator Nameplate Rating: 169 MW (nominal)										
11.	Emissions Ur	nit Comment:								
						•				

EMISSIONS UNIT INFORMATION Section | 4] of | 8]

Emissions	Un <u>it</u>	Control	Eq	[ui]	pment

Emissions our Control Equipment
1. Control Equipment/Method(s) Description:
NO _x Controls
Dry low-NOx combustors
Selective Catalytic Reduction (SCR)
2. Control Device or Method Code(s): 025 (staged combustion, i.e. dry low-NO _x combustors), 065 (catalytic reduction)

EMISSIONS UNIT INFORMATION Section [4] of [8]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) **Emissions Unit Operating Capacity and Schedule**

2.	Maximum Process or Throughput Rate: N/A
	Maximum Production Rate: N/A
3.	Maximum Heat Input Rate: 1,842 (HHV) million Btu/hr
4.	Maximum Incineration Rate: pounds/hr N/A
	tons/day
5.	Requested Maximum Operating Schedule:
	24 hours/day 7 days/week
	52 weeks/year 8,760 hours/year
	imum heat input is based on higher heating value (HHV) of natural gas at 100% and 59 °F. Heat input will vary with load and ambient temperature.

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

Identification of Point on Flow Diagram: CT-1C	Plot Plan or	2. Emission Point Type Code: 1			
3. Descriptions of Emission	Points Comprising	g this Emissions Unit	for VE Tracking:		
N/A					
4. ID Numbers or Description N/A	ons of Emission U	nits with this Emission	n Point in Common:		
5. Discharge Type Code: V	6. Stack Height 150 feet	:	7. Exit Diameter: 19.0 feet		
8. Exit Temperature: 220 °F	9. Actual Volum 1,030,000 ac	metric Flow Rate: fm	10. Water Vapor: % N/A		
11. Maximum Dry Standard I dscfm	Flow Rate:	12. Nonstack Emission Point Height: feet			
13. Emission Point UTM Coo Zone: East (km):	ordinates	14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)			
North (km):	Longitude (DD/MM/SS)			
15. Emission Point Comment Stack temperature and flow Stack temperature and flow	rate is based on				

EMISSIONS UNIT INFORMATION Section [4] of [8]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

Segment Description (Pro	1. Segment Description (Process/Fuel Type):								
Combined-Cycle Combustic	on Turbine fired	with pipeline q	_l uali	ty natural gas.					
Source Classification Cod	e (SCC):	3. SCC Units	:						
20100201	c (500).	1		Feet Burned					
4. Maximum Hourly Rate: 1.934	5. Maximum 16,941.8	Annual Rate:	6.	Estimated Annual Activity Factor: N/A					
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 925					
10. Segment Comment:									
Fuel heat content (Field 9) i	represents lower	heating value.							
	•	G							
Segment Description and Ra	ite: Segment	of							
Segment Description (Pro-		<u> </u>							
	237-7								
2. Source Classification Cod	e (SCC):	3. SCC Units	:						
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity Factor:					
7. Maximum % Sulfur:	8. Maximum % Ash:			Million Btu per SCC Unit:					
10. Segment Comment:				<u> </u>					

EMISSIONS UNIT INFORMATION

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E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1.	Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
	NOX	025,065		EL
	СО			EL
	PM			EL
	PM10			EL
	SO2			EL
	SAM			EL
	VOC			EL

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: NOX	2. Total Percent Efficiency of Control: N/A						
3. Potential Emissions:		4. Synthetically Limited?					
23.1 lb/hour 101.2	tons/year	☐ Yes No					
5. Range of Estimated Fugitive Emissions (a	s applicable):						
to tons/year		2004					
6. Emission Factor:		7. Emissions					
		Method Code:					
Reference:		0					
8. Calculation of Emissions:							
•	·						
		•					
9. Pollutant Potential/Estimated Fugitive Emissions Comment:							

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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	2. Future Effective Date of Allowable Emissions: N/A						
3.	Allowable Emissions and Units: 3.5 ppmvd @ 15% O ₂ , 24-hour block	4. Equivalent Allowable Emissions: 23.1 lb/hour 101.2 tons/year						
av	erage							
5.	5. Method of Compliance: EPA Reference Method 7E (initial) or NO _x CEMS							
Ai DI EF	6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree;							
Al	so subject to less stringent $\mathbf{NO_x}$ limits of 40 $^\circ$	CFI	R 60.332					

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A				
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowable 23.1 lb/hour			
5.	Method of Compliance: EPA Reference Method 7E (initial)					
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A	of (Operating Method):			

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control: N/A						
3. Potential Emissions: 28.7 lb/hour 125.7	4. Synthetically Limited? tons/year ☐ Yes ☒ No						
5. Range of Estimated Fugitive Emissions (as to tons/year	<u> </u>						
6. Emission Factor: 28.7 lb/hr Reference:	7. Emissions Method Code: 0						
8. Calculation of Emissions:							
	·						
9. Pollutant Potential/Estimated Fugitive Emissions Comment:							

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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 3

1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N / A					
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:					
	7.8 ppmvd @ 15% O ₂		28.7 lb/hour	125.7 tons/year			
5.	Method of Compliance:						
	EPA Reference Method 10 or CO CEMS (initi	al)				
6.	. Allowable Emissions Comment (Description of Operating Method):						
	Air Permit No. PSD-FL-301A;						
	62-212.400(BACT); F.A.C.						

Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: RULE	2.	2. Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowable Emissions: 28.7 lb/hour N/A tons/year					
5.	Method of Compliance: EPA Reference Method 10 or CO CEMS (initial)							
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	of (Operating Method):					

Allowable Emissions Allowable Emissions 3 of 3

1.	Basis for Allowable Emissions Code: RULE	Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:					
	9.0 ppmvd @ 15% O ₂ , 24-hour block		N/A lb/hour N/A tons/year				
av	erage						
5.	5. Method of Compliance:						
	CO CEMS						
6.	Allowable Emissions Comment (Description	of (Operating Method):				
	Air Permit No. PSD-FL-301A;						
	62-212.400(BACT); F.A.C.						

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Pero	cent Efficiency of Control: N/A
3. Potential Emissions:		4. Synthetically Limited?
20.5 lb/hour 88.9	tons/year	☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (a	s applicable):	
to tons/year		
6. Emission Factor: 20.5 lb/hr		7. Emissions
		Method Code:
Reference: Sargent & Lundy	<u> </u>	2
8. Calculation of Emissions:		•
Hourly emission rate based on GE		
emissions based on 20.3 lb/hr (100% load ar	d 59 °F) for 8,7	760 hr/yr.
		•
9. Pollutant Potential/Estimated Fugitive Emi	ssions Commen	t:
PM emissions represent filterable and conde		
EPA reference methods 201 and 202.	•	

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

1. Basis for Allowable Emissions Code:
RULE

2. Future Effective Date of Allowable Emissions: N/A

3. Allowable Emissions and Units:
10% opacity

4. Equivalent Allowable Emissions:
20.5 lb/hour
88.9 tons/year

5. Method of Compliance:
EPA Reference Method 9

6. Allowable Emissions Comment (Description of Operating Method):
Air Permit No. PSD-FL-301A;
62-212.400(BACT); F.A.C.

Allowable Emissions	Allowable Emissions	<u>o</u> f	
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Allowable Emissions Allowable Emissions 1 of 1

Γ	D : 0	1 _	E E00 ' E 0 111 11
1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Allowable
			Emissions:
ŀ		l	Ellissions.
3	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:
٦.	Allowable Elimssions and Clints.	٦.	
			lb/hour tons/year
- -	M 41 1 CO 1'		<u> </u>
٦.	Method of Compliance:		
6	Allowable Emissions Comment (Description	of (Inerating Method):
١٠٠	Anowable Limissions Comment (Description	01 (operating Method).
			•

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of Control: N				
3. Potential Emissions: 20.5 lb/hour 88.9	4. Synth tons/year	etically Limited?			
5. Range of Estimated Fugitive Emissions (as to tons/year					
6. Emission Factor: 20.5 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2			
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load and	d 59 °F) for 8,760 hr/yr.	18°F. Annual			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: PM10 emissions represent filterable and condensable particulate matter as measured by EPA reference methods 201 and 202.					
PM and PM10 are assumed to be equal.		,			

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions __1_ of __1

Basis for Allowable Emissions Code: ____ 2 Future Effective Date of Allowable

1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:					
	10% opacity		20.5 lb/hour	88.9 tons/year			
5.	Method of Compliance: EPA Reference Method 9			·			
			ı				
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	of (Operating Method):				

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

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POLLI	JTANT	DETAI	L INF	ORMATION
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F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SO2	2. Total Percent Efficien	Percent Efficiency of Control: N/A				
3. Potential Emissions: 11.1 lb/hour 45.1	1 —	etically Limited?				
5. Range of Estimated Fugitive Emissions (as	,	<u> </u>				
to tons/year						
6. Emission Factor: 11.1 lb/hr		7. Emissions				
Reference: Sargent & Lundy		Method Code: 2				
8. Calculation of Emissions:						
(2.0 gr S/ 100 scf) x (1.934 x 10 ⁶ ft ³ /h 11.1 lb/hr. Annual emissions based on 10.3 lb						
11.1 lo/m. Annual emissions based on 10.5 lo	/III (100 /0 load and 5/ 1	7 101 0,700 m/yr.				
9. Pollutant Potential/Estimated Fugitive Emiss	sions Comment:					

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3. Allowable Emissions and Units:

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

5. Method of Compliance:

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4. Equivalent Allowable Emissions:

tons/year

lb/hour

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

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

<u>A</u> I.	lowable Emissions Allowable Emissions 1	_of _1_					
1.	 Basis for Allowable Emissions Code: OTHER Future Effective Date of Allowal Emissions: N/A 						
3.	Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 11.1 lb/hour 45.1 tons/year					
5.	5. Method of Compliance: Fuel analysis for sulfur content per 40 CFR Part 75 requirements.						
6.	6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel sulfur limits of 40 CFR 60.333.						
All	Allowable Emissions of						
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:					

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [4] of [8] Page [11] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1.	Pollutant Emitted: SAM	2. Total Percent Efficiency of Control: N/A					
3.	Potential Emissions:	<u> </u>		4.	Synth	etica	ally Limited?
	2.0 lb/hour 8.3	tons/	year		☐ Ye	es	No No
5.	Range of Estimated Fugitive Emissions (as applic	able):				
	to tons/year						
6.	Emission Factor: 2.0 lb/hr					7.	Emissions
							Method Code:
Re	ference: Sargent & Lundy						2
of ab	Calculation of Emissions: Hourly rate based on 8 % conversion SO ₂ to SO ₃ (SCR) and 100 % conversion ove conversions at 100% load and 59 °F	of SO ₃ for 8,76	to H ₂ SO 0 hr/yr.)4. A 1			
9.	Pollutant Potential/Estimated Fugitive Em	issions (Commen	it:			

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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 Emission	ons <u>1</u> of <u>1</u>			
Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A			
3. Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 2.0 lb/hour 8.3 tons/year			
5. Method of Compliance: Fuel analysis for sulfur content per	40 CFR Part 75 requirements.			
Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree.				
Allowable Emissions Allowable Emission	ons <u>o</u> f			
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:			
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year			
5. Method of Compliance:				

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

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [4] of [8] Page [13] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

	2. Total Percent Efficiency of Control:			
3. Potential Emissions:		4. Synthetically Limited?		
3.0 lb/hour 12.3	tons/year	Yes 🖄 No		
5. Range of Estimated Fugitive Emissions (as	applicable):			
to tons/year				
6. Emission Factor: 3.0 lb/hr		7. Emissions		
		Method Code:		
Reference: Sargent & Lundy		2		
Reference: Sargent & Lundy 8. Calculation of Emissions: Hourly emission rate based on GE data for 100% load and 18 °F. Annual emissions based on 2.8 lb/hr (100% load and 59 °F) for 8,760 hr/yr.				
		· .		

EMISSIONS UNIT INFORMATION Section [4] of [8]

POLLUTANT DETAIL INFORMATION Page [14] of [14]

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

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

	emissions limitation. <u>Allowable Emissions</u> Allowable Emissions 1 of 1					
1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A				
3. op	Allowable Emissions and Units: Efficient combustion design and eration	4. Equivalent Allowable Emissions: 3.0 lb/hour 12.3 tons/year				
5.	Method of Compliance: Compliance with CO standards	1				
6.	6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.					
Al	lowable Emissions Allowable Emissions	_of				
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:				
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year				
5.	Method of Compliance:					
6.	Allowable Emissions Comment (Description	n of Operating Method):				

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G. VISIBLE EMISSI	ONS INFORMATION
Complete if this emissions unit is or would be emissions limitation.	subject to a unit-specific visible
Visible Emissions Limitation: Visible Emission	ons Limitation <u>1</u> of <u>2</u>
Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: ☐ Rule ☐ Other
3. Allowable Opacity: Normal Conditions: 10% Exc Maximum Period of Excess Opacity Allower	ceptional Conditions: % d: min/hour
4. Method of Compliance: EPA Reference Method 9, 6-minute average.	
5. Visible Emissions Comment: Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.	
Visible Emissions Limitation: Visible Emission	ons Limitation 2 of 2
1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: ☐ Rule ☐ Other
Allowable Opacity: Normal Conditions: 10 % Exc Maximum Period of Excess Opacity Allowed	ceptional Conditions: 20 % d: 60 min/day
4. Method of Compliance: EPA Reference Method 9.	
5. Visible Emissions Comment: Visible emissions during startup, shutdown or up to ten 6-minute averaging periods per day 20%. Air Permit No. PSD-FL-301A Rule 62-212.400(BACT), F.A.C and 62-210.70	during which the opacity shall not exceed

EMISSIONS UNIT INFORMATION

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3. CMS Requirement:

5. Installation Date:

03/11/03

4. Monitor Information...

Manufacturer: Siemens

Model Number: Ultramat 6

7. Continuous Monitor Comment:

Required by 40 CFR Part 75 (Acid Rain Program).

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring.				
Continuous Monitoring System: Continuous Monitor 1 of 3				
1. Parameter Code: EM	2. Pollutant(s): NO _X			
3. CMS Requirement:	□ Rule □ Other			
4. Monitor Information Manufacturer: Thermo Environmental				
Model Number: 42 CLS	Serial Number: 72508-371			
5. Installation Date:	6. Performance Specification Test Date:			
03/11/03	4/18/03			
7. Continuous Monitor Comment:	,			
Required by 40 CFR Part 75 (Acid Rain Program).				
Continuous Monitoring System: Continuous Monitor 2 of 3				
1. Parameter Code: CO ₂	2. Pollutant(s): Carbon Dioxide			

X Rule

4/18/03

Other

Serial Number: N1-ND-0877

6. Performance Specification Test Date:

EMISSIONS UNIT INFORMATION Section [4] of [8]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 3 of 3

1.	Parameter Code: EM	2. Pollutant(s): CO
3.	CMS Requirement:	□ Rule □ Other
4.	Monitor Information Manufacturer: Thermo Environmental	
	Model Number: 48 C	Serial Number: 48C-73685-374
5.	Installation Date: 03/11/03	6. Performance Specification Test Date: 4/18/03
7.	Continuous Monitor Comment:	
	Required by Air permit No. PSD-FL-301.	Α.
	-	
Co	ntinuous Monitoring System: Continuous	Monitor of
	Parameter Code:	Monitorof 2. Pollutant(s):
1.	-	
1.	Parameter Code: CMS Requirement:	2. Pollutant(s):
3.	Parameter Code: CMS Requirement: Monitor Information	2. Pollutant(s):
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer:	2. Pollutant(s): Rule Other
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number:	2. Pollutant(s): Rule Other Serial Number:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2. Pollutant(s): Rule Other Serial Number:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2. Pollutant(s): Rule Other Serial Number:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2. Pollutant(s): Rule Other Serial Number:

EMISSIONS UNIT INFORMATION Section [4] of [8]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 11 Previously Submitted, Date
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 12 Not Applicable
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 13 Previously Submitted, Date
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Not Applicable
6.	Compliance Demonstration Reports/Records Attached, Document ID:
	Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: <u>June 4, 2003</u>
	Test Date(s)/Pollutant(s) Tested: See additional requirements comment.
	To be Submitted, Date (if known):
	Test Date(s)/Pollutant(s) Tested:
	Not Applicable
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable

EMISSIONS UNIT INFORMATION N/A Section [4] of [8]

Additional Req	uirements fo	r Air (Construction	Permit A	Application

1.	Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))
	Attached, Document ID: Not Applicable
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) Attached, Document ID: Not Applicable
3.	Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) Attached, Document ID: Not Applicable
Ad	ditional Requirements for Title V Air Operation Permit Applications
1.	Identification of Applicable Requirements Attached, Document ID: Attachments 6-1 and 6-2
2. (Compliance Assurance Monitoring Attached, Document ID: Not Applicable
3.	Alternative Methods of Operation Attached, Document ID: Not Applicable
4.	Alternative Modes of Operation (Emissions Trading) Attached, Document ID: Not Applicable
5.	Acid Rain Part Application Certificate of Representation (EPA Form No. 7610-1) Copy Attached, Document ID:Attachment 14 Acid Rain Part (Form No. 62-210.900(1)(a)) Attached, Document ID:Attachment 15 Previously Submitted, Date: Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: Previously Submitted, Date: New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: Previously Submitted, Date: Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Not Applicable

Additional Requirements Comment				
04/18/03—Ammonia slip, VE, CO, NO _x				

EMISSIONS UNIT INFORMATION Section [4] of [8]

EMISSIONS UNIT INFORMATION Section [5] of [8]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.	1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)						
	 ☑ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. ☑ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit. 						
En	nișsions Unit	Description and Sta	atus				
1.	 Type of Emissions Unit Addressed in this Section: (Check one) This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent). This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions. 						
				dresses, as a single en ies which produce fug			
2.		of Emissions Unit Ac			ng a nominal rating of		
169		-	_	y using pipeline qual			
3.	Emissions U	nit Identification Nur	mber: 023				
4.	Emissions Unit Status Code: A	5. Commence Construction Date: 04/01/01	6. Initial Startup Date: 09/15/03	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? Yes No		
9.	Package Unit	:: r: General Electric		Model Number: PG7	72.41.(E.A.)		
10.		ameplate Rating: 16	9 MW (nomin		(241(FA)		
	Emissions U		-	_			

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Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:	
NO _x Controls	
Dry low-NOx combustors Selective Catalytic Reduction (SCR)	
2. Control Device or Method Code(s): 025 (staged combustion, i.e. dry low-NO _x combustors), 065 (catalytic reduction)	

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B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: N/A	
2.	Maximum Production Rate: N/A	
3.	Maximum Heat Input Rate: 1,842 (HHV) million Btu/hr	
4.	Maximum Incineration Rate: pounds/hr N/A	
	tons/day	
5.	Requested Maximum Operating Schedule:	
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year
6.	Operating Capacity/Schedule Comment:	

Maximum heat input is based on higher heating value (HHV) of natural gas at 100%

load and 59 °F. Heat input will vary with load and ambient temperature.

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1.	Identification of Point on Flow Diagram: CT-2A	Plot Plan or	2. Emission Point Type Code: 1			
3.	Descriptions of Emission	Points Comprising	this Emissions Unit	for VE Tracking:		
	N/A					
4.	1D Numbers or Descriptio	ns of Emission Ur	nits with this Emission	Point in Common:		
	N/A					
5.	Discharge Type Code: V	6. Stack Height 150 feet	:	7. Exit Diameter: 19.0 feet		
8.	Exit Temperature: 220 °F	9. Actual Volum 1,030,000 ac	netric Flow Rate: fm	10. Water Vapor: % N/A		
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emission Point Height: feet			
13.	Emission Point UTM Coo Zone: East (km):	rdinates	14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)			
	North (km)		Longitude (DD/MM/SS)			
15.	Emission Point Comment:					
	ck temperature and flow					
Sta	ck temperature and flow	rate will vary wi	th load and ambient	temperature.		

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D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1.	1. Segment Description (Process/Fuel Type):								
Co	ombined-Cycle Combustic	on T	urbine fired	with pipeline q	uali	ty natural gas.			
2.	Source Classification Cod	le (S(C).	3. SCC Units:					
-	20100201	, C (D)				Feet Burned			
4.	Maximum Hourly Rate: 1.934	5.	Maximum . 16,941.8	Annual Rate:	6.	Estimated Annual Activity Factor: N/A			
7.	Maximum % Sulfur:	8.	Maximum	% Ash:	9.	Million Btu per SCC Unit: 925			
10	. Segment Comment:								
Fu	el heat content (Field 9) 1	repr	esents lower	heating value.					
	ier neut comem (1 iera 2).	. ср.		neuering variation					
	an and December and De		Commont	of					
<u>Se</u>	gment Description and Ra		Segment						
1.	Segment Description (Pro	cess/	ruei Type):						
				•					
						•			
2.	Source Classification Cod	le (SC	CC):	3. SCC Units:	<u> </u>				
						·			
4.	Maximum Hourly Rate:	5.	Maximum A	Annual Rate:	6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur:	8.	Maximum ⁹	% Ash:	9.	Million Btu per SCC Unit:			
10.	Segment Comment:								
	<u> </u>								

EMISSIONS UNIT INFORMATION

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E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1	Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
	***		Device Code	
	NOX	025,065		EL
	CO			EL
	PM			EL
	PM10			EL
	SO2			EL
	SAM			EL
	VOC			, EL
				-
				_
				-

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: NOX	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions:	4. Synthetically Limited?
23.1 lb/hour 101.2	tons/year Yes No
5. Range of Estimated Fugitive Emissions (as	s applicable):
to tons/year	
6. Emission Factor:	7. Emissions
D 6	Method Code:
Reference:	0
8. Calculation of Emissions:	
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:
_	

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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

 Basis for Allowable Emissions Code: OTHER 	2. Future Effective Date of Allowable Emissions: N/A				
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
3.5 ppmvd @ 15% O ₂ , 24-hour block	23.1 lb/hour 101.2 tons/year				
average					
5. Method of Compliance:					
EPA Reference Method 7E (initial) or NO	x CEMS				
6. Allowable Emissions Comment (Description	of Operating Method):				
Air Permit No. PSD-FL-301A;					
DEP/TEC Consent Final Judgement;					
EPA/TEC Consent Decree;					
Also subject to less stringent NO_x limits of 40	CFR 60.332				

Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units:	4.	Equiv	valent Allowa	able Emi	issions:	
	N/A		23.1	lb/hour	N/A	tons/year	
5.	Method of Compliance: EPA Reference Method 7E (initial)					·	
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A	of (Operat	ing Method):			

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: CO		2. Total Perc	ent Efficie	ncy of Control: N/A
3. Potential Emissions:				etical <u>ly</u> Limited?
28.7 lb/h	our 125.7	tons/year	Ye	s 🛛 No
5. Range of Estimated Fugi	•	applicable):		
to to	ns/year			
6. Emission Factor: 28.7 ll	b/hr			7. Emissions
- C				Method Code:
Reference:				0
8. Calculation of Emissions	3:			
		·		
9. Pollutant Potential/Estim	ated Fugitive Emis	sions Commen	t:	

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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 3

1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units: 7.8 ppmvd @ 15% O ₂	its: 4. Equivalent Allowable Emissions: 28.7 lb/hour 125.7 tons/year					
5.	5. Method of Compliance: EPA Reference Method 10 or CO CEMS (initial)						
6.	6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.						

Allowable Emissions | 2 of 3

1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable					
	RULE		Emissions: N/A				
3.	Allowable Emissions and Units:	vable Emissions and Units: 4. Equivalent Allowable Emissions:					
	N/A		28.7 lb/hour N/A tons/year				
5.	Method of Compliance:						
	EPA Reference Method 10 or CO CEMS (initial)						
6.	Allowable Emissions Comment (Description of Operating Method):						
	Air Permit No. PSD-FL-301A;						
	62-212.400(BACT); F.A.C.						

Allowable Emissions Allowable Emissions 3 of 3

1.	RULE RULE	2.	Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:					
	9.0 ppmvd @ 15% O ₂ , 24-hour block		N/A lb/hour N/A tons/year					
ave	erage							
5.	5. Method of Compliance:							
L	CO CEMS							
6.	6. Allowable Emissions Comment (Description of Operating Method):							
	Air Permit No. PSD-FL-301A;							
	62-212.400(BACT); F.A.C.							

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control: N/A						
3. Potential Emissions:	4. Synthe	etically Limited?					
20.5 lb/hour 88.9	tons/year Ye	s 🖄 No					
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):						
6. Emission Factor: 20.5 lb/hr	-	7. Emissions					
Reference: Sargent & Lundy		Method Code: 2					
8. Calculation of Emissions:							
Hourly emission rate based on GE data for 100% load and 18 °F. Annual emissions based on 20.3 lb/hr (100% load and 59 °F) for 8,760 hr/yr.							
9. Pollutant Potential/Estimated Fugitive Emissions Comment:							
PM emissions represent filterable and conde EPA reference methods 201 and 202.	nsable particulate matter	as measured by					

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

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

•	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
5.	Method of Compliance: EPA Reference Method 9	
5.	Allowable Emissions Comment (Descript Air Permit No. PSD-FL-301A;	ion of Operating Method):
	62-212.400(BACT); F.A.C.	
_	lowable Emissions Allowable Emissions Basis for Allowable Emissions Code:	of 2. Future Effective Date of Allowable Emissions:
1.	Iowable Emissions Allowable Emissions	2. Future Effective Date of Allowable
1. 3.	Iowable Emissions Allowable Emissions Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions: 4. Equivalent Allowable Emissions:

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Perc	ent Efficiency of Control: N/A		
3. Potential Emissions: 20.5 lb/hour 88.9	tons/year	 Synthetically Limited? Yes ∑ No 		
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	,		
6. Emission Factor: 20.5 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2		
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load and				
9. Pollutant Potential/Estimated Fugitive Emissions Comment: PM10 emissions represent filterable and condensable particulate matter as measured by EPA reference methods 201 and 202.				
PM and PM10 are assumed to be equal.				

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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.

. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
5. Method of Compliance: EPA Reference Method 9	
6. Allowable Emissions Comment (Descri Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	ption of Operating Method):
Allowable Emissions Allowable Emission	s <u>o</u> f
	sof 2. Future Effective Date of Allowable Emissions:
Allowable Emissions Allowable Emission 1. Basis for Allowable Emissions Code: 3. Allowable Emissions and Units:	2. Future Effective Date of Allowable
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions: 4. Equivalent Allowable Emissions:

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SO2	2. Total Perc	ent Efficiency of Control: N/A
3. Potential Emissions:		4. Synthetically Limited?
11.1 lb/hour 45.1	tons/year	Yes No
5. Range of Estimated Fugitive Emissions (as	applicable):	
to tons/year		•
6. Emission Factor: 11.1 lb/hr		7. Emissions
		Method Code:
Reference: Sargent & Lundy		2
8. Calculation of Emissions: (2.0 gr S/ 100 scf) x (1.934 x 10 ⁶ ft ³ /l 11.1 lb/hr. Annual emissions based on 10.3 lb	o/hr (100% load	d and 59 °F) for 8,760 hr/yr.
9. Pollutant Potential/Estimated Fugitive Emis	sions Comment	: :

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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.

Al	lowable Emissions Allowable Emissions 1	of <u>1</u>
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 11.1 lb/hour 45.1 tons/year
5.	Method of Compliance: Fuel analysis for sulfur content per 40 CF	R Part 75 requirements.
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel sulfu	
Al	lowable Emissions Allowable Emissions	<u>o</u> f
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance:	
6.	Allowable Emissions Comment (Description	of Operating Method):

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section | 5 | of | 8 | Page | 11 | of | 14 |

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SAM	2. T	otal Percent Efficiency of Control: N/A
3. Potential Emissions: 2.0 lb/hour	8.3 tons/	4. Synthetically Limited? year
5. Range of Estimated Fugitive Emto to tons/year	issions (as applic	able):
6. Emission Factor: 2.0 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2
·	nversion of SO ₃	uel sulfur to SO3 (CT), 4% conversion to H ₂ SO ₄ . Annual emission based on 0 hr/yr.
9. Pollutant Potential/Estimated Fu	gitive Emissions (Comment:

POLLUTANT DETAIL INFORMATION
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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.

	llowable Emissions Allowable Emissions	
•	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 2.0 lb/hour 8.3 tons/year
5.	Method of Compliance: Fuel analysis for sulfur content per 40 (CFR Part 75 requirements.
6.	Allowable Emissions Comment (Descript Air Permit No. PSD-FL-301A;	ion of Operating Method):
	DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree.	
<u>Al</u>		<u>o</u> f
<u>Al</u>	EPA/TEC Consent Decree.	of 2. Future Effective Date of Allowable Emissions:
1.	EPA/TEC Consent Decree. lowable Emissions Allowable Emissions	2. Future Effective Date of Allowable
1. 3. 5.	EPA/TEC Consent Decree. lowable Emissions Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions: 4. Equivalent Allowable Emissions:

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [5] of [8] Page [13] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:	
3. Potential Emissions:		4. Synthetically Limited?
3.0 lb/hour 12.3	tons/year	Yes No
5. Range of Estimated Fugitive Emissions (as	s applicable):	
to tons/year		
6. Emission Factor: 3.0 lb/hr		7. Emissions
		Method Code:
Reference: Sargent & Lundy		2
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 2.8 lb/hr (100% load and	59 °F) for 8,76	0 hr/yr.
9. Pollutant Potential/Estimated Fugitive Emis	ssions Commen	t:

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

1. Basis for Allowable Emissions Code:
RULE

2. Future Effective Date of Allowable Emissions: N/A

3. Allowable Emissions and Units:
Efficient combustion design and operation

5. Method of Compliance:
Compliance with CO standards

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

Allowable Emissions Comment (Description of Operating Method):
 Air Permit No. PSD-FL-301A;
 62-212.400(BACT), F.A.C.

Allowable Ellissions Timowable Ellisbiolis	Allowable Emissions	Allowable Emissions	of	
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Allowable Emissions Allowable Emissions 1 of 1

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

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G. VISIBLE EMISS	SIONS INFORMATION
Complete if this emissions unit is or would be emissions limitation.	oe subject to a unit-specific visible
Visible Emissions Limitation: Visible Emiss	sions Limitation 1 of 2
Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: ☐ Rule ☐ Other
3. Allowable Opacity: Normal Conditions: 10% E Maximum Period of Excess Opacity Allow	xceptional Conditions: % yed: min/hour
4. Method of Compliance: EPA Reference Method 9, 6-minute average	e.
5. Visible Emissions Comment: Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.	
Visible Emissions Limitation: Visible Emiss	ions Limitation 2 of 2
1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: ☐ Rule ☐ Other
3. Allowable Opacity: Normal Conditions: 10 % E. Maximum Period of Excess Opacity Allow	xceptional Conditions: 20 % 60 min/day
4. Method of Compliance: EPA Reference Method 9.	
5. Visible Emissions Comment:	
Visible emissions during startup, shutdown up to ten 6-minute averaging periods per da 20%. Air Permit No. PSD-FL-301A Rule 62-212.400(BACT), F.A.C and 62-210.	y during which the opacity shall not exceed

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 3

1.	Parameter Code: EM	2.	Pollutant(s): NO _X	
3.	CMS Requirement:	\boxtimes	Rule Other	
4.	Monitor Information Manufacturer: Thermo Environmental		0.113. 1. 840.0.084	
	Model Number: 42 CLS		Serial Number: 74363-376	
5.	Installation Date: 10/07/03	6.	Performance Specification Test Date: 11/22/03	
7.	Continuous Monitor Comment:		1	
	Required by 40 CFR Part 75 (Acid Rain I	Prog	gram).	
Co	ntinuous Monitoring System: Continuous	Mon	nitor <u>2</u> of <u>3</u>	
1.	Parameter Code: CO ₂	2.	Pollutant(s): Carbon Dioxide	
3.	CMS Requirement:	\boxtimes	Rule Other	
4.	Monitor Information Manufacturer: Siemens			
	Model Number: Ultramat 6		Serial Number: N1-ND-0892	
5.	Installation Date: 10/07/03	6.	Performance Specification Test Date: 11/22/03	
7.	Continuous Monitor Comment:			
	Required by 40 CFR Part 75 (Acid Rain I	Prog	gram).	

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 3 of 3

1.	Parameter Code: EM	2.	Pollutant(s): CO	
3.	CMS Requirement:	\boxtimes	Rule	Other
4.	Monitor Information Manufacturer: Thermo Environmental			
	Model Number: 48 C		Serial Number	r: 48C-74345-376
5.	Installation Date: 10/07/03	6.	Performance Spect 11/22/03	cification Test Date:
7.	Continuous Monitor Comment:			
	Required by Air permit No. PSD-FL-301.	Α.		
	_		-	
	ntinuous Monitoring System: Continuous	Mor	itorof	_
	Parameter Code: Continuous		ofof Pollutant(s):	<u> </u>
1.	Parameter Code:		Pollutant(s):	
3.	Parameter Code: CMS Requirement:			Other
1.	Parameter Code: CMS Requirement: Monitor Information		Pollutant(s):	Other
3.	Parameter Code: CMS Requirement:		Pollutant(s):	
3.	Parameter Code: CMS Requirement: Monitor Information Manufacturer:	2.	Pollutant(s): Rule Serial Number	
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2.	Pollutant(s): Rule Serial Number	r:
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number:	2.	Pollutant(s): Rule Serial Number	r:
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2.	Pollutant(s): Rule Serial Number	r:
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2.	Pollutant(s): Rule Serial Number	r:
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2.	Pollutant(s): Rule Serial Number	r:

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 11 Previously Submitted, Date
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 12 Not Applicable
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 13 Previously Submitted, Date
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Not Applicable
6.	Compliance Demonstration Reports/Records Attached, Document ID:
	Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: <u>June 4, 2003</u>
	Test Date(s)/Pollutant(s) Tested: See additional requirements comment.
	To be Submitted, Date (if known):
	Test Date(s)/Pollutant(s) Tested:
	Not Applicable
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable

EMISSIONS UNIT INFORMATION N/A

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Additional Red	uirements for Air Construction	Permit A	pplications

1. Control Technology Review and Analysis (R	ules 62-212.400(6) and 62-212.500(7),
F.A.C.; 40 CFR 63.43(d) and (e)) Attached, Document ID:	Not Applicable
2. Good Engineering Practice Stack Height Anal	
Rule 62-212.500(4)(f), F.A.C.)	Not Applicable
Attached, Document ID: 3. Description of Stack Sampling Facilities (Rec	Not Applicable
facilities only)	duried for proposed new stack sampling
	Not Applicable
Additional Requirements for Title V Air Opera	ation Permit Applications
1. Identification of Applicable Requirements Attached, Document ID: Attachments 6-1	
2. Compliance Assurance Monitoring Attached, Document ID: \[\begin{array}{c} \text{ \text{N}} \\ \text{ \text{N}} \\ \text{ \text{N}} \\ \text{ \text{N}} \\ \text{N} \\	Not Applicable
3. Alternative Methods of Operation Attached, Document ID: \[\begin{array}{c} \\	Not Applicable
4. Alternative Modes of Operation (Emissions Translation) Attached, Document ID: N	ading) Not Applicable
5. Acid Rain Part Application Certificate of Representation (EPA Form N Copy Attached, Document ID: Attached Acid Rain Part (Form No. 62-210.900(1)(a Attached, Document ID: Attachmen Previously Submitted, Date: Repowering Extension Plan (Form No. 62 Attached, Document ID: Previously Submitted, Date: New Unit Exemption (Form No. 62-210.9 Attached, Document ID: Previously Submitted, Date: Retired Unit Exemption (Form No. 62-210.9 Attached, Document ID: Previously Submitted, Date: Phase II NOx Compliance Plan (Form No. Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.9 Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.9 Previously Submitted, Date: Previously Submitted, Date	chment 14 a)) t 15 2-210.900(1)(a)1.) 00(1)(a)2.) 0.900(1)(a)3.) 62-210.900(1)(a)4.)

11/14/03—Ammonia slip, VE 11/22/03—CO, NO_x

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.		e V air operation peri				r an initial, revised or air construction
	The emise emissions		in this Em	issions I	Jnit Information S	Section is a regulated
		sions unit addressed d emissions unit.	in this Em	issions I	Jnit Information S	Section is an
<u>Er</u>	nissions Unit	Description and Sta	<u>atus</u>			
1.	Type of Emi	ssions Unit Addresse	d in this S	ection:	(Check one)	
	process o	ssions Unit Informat r production unit, or s at least one definab	activity, v	hich pro	duces one or mor	issions unit, a single e air pollutants and
	process o		nd activitie	s which	has at least one de	issions unit, a group of finable emission point
	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.	.					
169	One combined-cycle combustion turbine generator (CT-2B) having a nominal rating of 169 megawatts (MW). The CT is fired exclusively using pipeline quality natural gas.					
		nit Identification Nur		<u> </u>		
	Emissions	5. Commence	6. Initia	1 7.	Emissions Unit	8. Acid Rain Unit?
, T.	Unit Status	Construction	Starti		Major Group	Yes
	Code:	Date:	Date:	• 1	SIC Code:	☐ No
	\mathbf{A}	04/01/01	09/02	2/03	49	
9.	Package Unit					
Manufacturer: General Electric Model Number: PG7241(FA)						
		ameplate Rating: 16	9 MW (no	minal)		
11.	Emissions U	nit Comment:				•

Emissions	Unit	Control	Eq	(ui)	pment

Emissions em control equipment
1. Control Equipment/Method(s) Description:
NO _x Controls
Dry low-NOx combustors
Selective Catalytic Reduction (SCR)
·
2. Control Device or Method Code(s): 025 (staged combustion, i.e. dry low-NO _x combustors), 065 (catalytic reduction)

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: N/A	
2.	Maximum Production Rate: N/A	
3.	Maximum Heat Input Rate: 1,842 (HHV) million Btu/hr	
4.	Maximum Incineration Rate: pounds/hr N/A	
	tons/day	
5,	Requested Maximum Operating Schedule:	
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year
6.	Operating Capacity/Schedule Comment:	
	aximum heat input is based on higher heating value (HHV) of and 59 °F. Heat input will vary with load and ambient temp	<u> </u>

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1.	Identification of Point on Flow Diagram: CT-2B	Plot Plan or	2. Emission Point?	Гуре Code:			
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:						
	N/A						
4.	ID Numbers or Description N/A	ns of Emission Ur	nits with this Emissio	n Point in Common:			
5.	Discharge Type Code: V	6. Stack Height 150 feet	:	7. Exit Diameter: 19.0 feet			
8.	Exit Temperature: 220 °F	9. Actual Volum 1,030,000 act	netric Flow Rate: fm	10. Water Vapor: % N/Å			
11.	Maximum Dry Standard F dscfm	low Rate:	12. Nonstack Emiss feet	ion Point Height:			
13.	Emission Point UTM Coor Zone: East (km): North (km)		14. Emission Point Latitude/Longitude Latitude (DD/MM/SS) Longitude (DD/MM/SS)				
Sta	Emission Point Comment: ck temperature and flow ck temperature and flow	rate is based on 1		•			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1.	1. Segment Description (Process/Fuel Type):								
Co	Combined-Cycle Combustion Turbine fired with pipeline quality natural gas.								
2.	Source Classification Cod 20100201	e (SCC):	3. SCC Units: Million Cu		Feet Burned				
4.	Maximum Hourly Rate: 1.934	5. Maximum . 16,941.8	Annual Rate:	6.	Estimated Annual Activity Factor: N/A				
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit: 925				
10.	Segment Comment:								
Fu	el heat content (Field 9) r	epresents lower	heating value.						
L									
	gment Description and Ra		of						
1.	Segment Description (Proc	cess/Fuel Type):							
2.	Source Classification Code	e (SCC):	3. SCC Units:						
4.	Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity Factor:				
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:				
10.	Segment Comment:	L							
L									

EMISSIONS UNIT INFORMATION

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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
	NOX	025,065	501,00 0000	EL EL
	СО			EL
	PM			EL
	PM10			EL
	SO2			EL
	SAM			EL
	VOC			EL
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F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: NOX	2. Total Percent Efficien	ncy of Control: N/A
3. Potential Emissions:		etically Limited?
23.1 lb/hour 101.2	tons/year Ye	s 🔲 No
5. Range of Estimated Fugitive Emissions (as	applicable):	
to tons/year		
6. Emission Factor:		7. Emissions
		Method Code:
Reference:		0
8. Calculation of Emissions:		
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A						
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:						
3.5 ppmvd @ 15% O ₂ , 24-hour block	23.1 lb/hour 101.2 tons/year						
average							
5. Method of Compliance:							
EPA Reference Method 7E (initial) or NO _x CEMS							
6. Allowable Emissions Comment (Description	of Operating Method):						
6. Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A;	of Operating Method):						
Air Permit No. PSD-FL-301A;	of Operating Method):						
`	of Operating Method):						

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowab 23.1 lb/hour				
5.	Method of Compliance: EPA Reference Method 7E (initial)						
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A	of (Operating Method):				

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1	Pollutant Emitted: CO	2. Total Perc	cent Efficiency of Control: N/A
3.	Potential Emissions: 28.7 lb/hour 125.7	tons/year	4. Synthetically Limited? ☐ Yes ⊠ No
5.	Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
	Emission Factor: 28.7 lb/hr ference:		7. Emissions Method Code: 0
	Calculation of Emissions:		
9.	Pollutant Potential/Estimated Fugitive Emis	sions Commen	t:

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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 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A		
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:		
	7.8 ppmvd @ 15% O ₂		28.7 lb/hour 125.7 tons/year		
5.	Method of Compliance:				
	EPA Reference Method 10 or CO CEMS (initial)				
6.	Allowable Emissions Comment (Description of Operating Method).				
	Air Permit No. PSD-FL-301A;				
	62-212.400(BACT); F.A.C.		•		

Allowable Emissions Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Allowable
	RULE		Emissions: N/A
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:
	N/A		28.7 lb/hour N/A tons/year
5.	Method of Compliance:		
	EPA Reference Method 10 or CO CEMS (init	ial)
6.	Allowable Emissions Comment (Description	of (Operating Method):
	Air Permit No. PSD-FL-301A;		
	62-212.400(BACT); F.A.C.		

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

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Dar Emissions: N/A	te of Allowable		
3.	Allowable Emissions and Units:	4.	Equivalent Allowab			
	9.0 ppmvd @ 15% O ₂ , 24-hour block		N/A lb/hour	N/A tons/year		
ave	erage					
5.	Method of Compliance:					
	CO CEMS					
6.	6. Allowable Emissions Comment (Description of Operating Method):					
	Air Permit No. PSD-FL-301A;					
	62-212.400(BACT); F.A.C.					

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Perc	ent Efficiency of Control: N/A
3. Potential Emissions:		4. Synthetically Limited?
20.5 lb/hour 88.9	tons/year	Yes No
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 20.5 lb/hr		7. Emissions
		Method Code:
Reference: Sargent & Lundy		2
8. Calculation of Emissions:		
Hourly emission rate based on GE of		
emissions based on 20.3 lb/hr (100% load and	1 59 °F) 10r 8,/	60 nr/yr.
·		
	•	
9. Pollutant Potential/Estimated Fugitive Emis		
PM emissions represent filterable and conder	isable particul	late matter as measured by
EPA reference methods 201 and 202.		
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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

emissions limitation. Allowable Emissions 1 of 1							
1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A					
3.	Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year					
5.	5. Method of Compliance: EPA Reference Method 9						
6.	6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.						
<u>Al</u>	lowable Emissions Allowable Emissions _	<u>o</u> f					
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:					
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year					
5. Method of Compliance:							

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of	of Control: N/A
3. Potential Emissions:	<u></u> -	lly Limited?
20.5 lb/hour 88.9	tons/year	⊠ No
5. Range of Estimated Fugitive Emissions (as	applicable):	
to tons/year		
6. Emission Factor: 20.5 lb/hr	7.	Emissions
		Method Code:
Reference: Sargent & Lundy	· .	2
8. Calculation of Emissions:		
Hourly emission rate based on GE		T. Annual
emissions based on 20.3 lb/hr (100% load an	d 59 °F) for 8,760 hr/yr.	
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:	
PM10 emissions represent filterable and		er as measured
by EPA reference methods 201 and 202.	•	
PM and PM10 are assumed to be equal.		

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: 10% opacity	4.	Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
5.	Method of Compliance: EPA Reference Method 9		
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	of (Operating Method):

Allowable Emissions Allowable Emissions of

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

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SO2	2. Total Percent Efficie	ncy of Control: N/A
3. Potential Emissions:	4. Synth	etically Limited?
11.1 lb/hour 45.1	tons/year Ye	es 🖄 No
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 11.1 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2
8. Calculation of Emissions: (2.0 gr S/ 100 scf) x (1.934 x 10 ⁶ ft ³ /h 11.1 lb/hr. Annual emissions based on 10.3 lb		
9. Pollutant Potential/Estimated Fugitive Emiss	sions Comment:	

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

1. Basis for Allowable Emissions Code: OTHER 2. Future Effective Date of Allowable Emissions: N/A 3. Allowable Emissions and Units: Pipeline Quality Natural Gas 4. Equivalent Allowable Emissions: 11.1 lb/hour 45.1 tons/year 5. Method of Compliance: Fuel analysis for sulfur content per 40 CFR Part 75 requirements. 6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel sulfur limits of 40 CFR 60.333. 7. Allowable Emissions Allowable Emissions Of	Allowable Emissions Allowable Emissions 1	of1					
Pipeline Quality Natural Gas 11.1 lb/hour 45.1 tons/year 5. Method of Compliance: Fuel analysis for sulfur content per 40 CFR Part 75 requirements. 6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel sulfur limits of 40 CFR 60.333. Allowable Emissions Allowable Emissions							
Fuel analysis for sulfur content per 40 CFR Part 75 requirements. 6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel sulfur limits of 40 CFR 60.333. Allowable Emissions Allowable Emissions of 1. Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable Emissions: Simple Emissions and Units: 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: Ib/hour tons/year 5. Method of Compliance:		1					
Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel sulfur limits of 40 CFR 60.333. Allowable Emissions Allowable Emissions of	_	R Part 75 requirements.					
1. Basis for Allowable Emissions Code: 2. Future Effective Date of Allowable Emissions: 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: 1b/hour tons/year 5. Method of Compliance:	Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree;	Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree;					
Emissions: 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: lb/hour tons/year 5. Method of Compliance:	Allowable Emissions Allowable Emissions	<u>o</u> f					
5. Method of Compliance:	Basis for Allowable Emissions Code:						
	3. Allowable Emissions and Units:						
6. Allowable Emissions Comment (Description of Operating Method):	5. Method of Compliance:						
	6. Allowable Emissions Comment (Description	of Operating Method):					

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [6] of [8] Page [11] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SAM	2. Total Percent Efficiency of Control: N/A		
3. Potential Emissions: 2.0 lb/hour 8.3	4. Synthe tons/year Yes	tically Limited?	
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):		
6. Emission Factor: 2.0 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2	
8. Calculation of Emissions: Hourly rate based on 8 % conversion of SO ₂ to SO ₃ (SCR) and 100 % conversion of above conversions at 100% load and 59 °F for	f SO3 to H2SO4. Annual e	* *	
9. Pollutant Potential/Estimated Fugitive Emis	sions Comment:		

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

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

emissions limitation. Allowable Emissions Allowable Emissions 1 of 1 2. Future Effective Date of Allowable 1. Basis for Allowable Emissions Code: **OTHER** Emissions: N/A 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: Pipeline Quality Natural Gas 2.0 lb/hour 8.3 tons/year 5. Method of Compliance: Fuel analysis for sulfur content per 40 CFR Part 75 requirements. 6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; **DEP/TEC** Consent Final Judgement; EPA/TEC Consent Decree. Allowable Emissions Allowable Emissions 2. Future Effective Date of Allowable 1. Basis for Allowable Emissions Code: **Emissions:** 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: lb/hour tons/year 5. Method of Compliance: 6. Allowable Emissions Comment (Description of Operating Method):

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [6] of [8] Page [13] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:		
3. Potential Emissions:	4. Synth	etically Limited?	
3.0 lb/hour 12.3	tons/year Ye	es 🖄 No	
5. Range of Estimated Fugitive Emissions (as	applicable):		
to tons/year			
6. Emission Factor: 3.0 lb/hr		7. Emissions	
		Method Code:	
Reference: Sargent & Lundy		2	
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 2.8 lb/hr (100% load and	59 °F) for 8,760 hr/yr.	18 °F. Annual	
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:		

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

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

	lowable Emissions Allowable Emissions _	
1.	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: Efficient combustion design and	4. Equivalent Allowable Emissions: 3.0 lb/hour 12.3 tons/year
op	eration	
5.	Method of Compliance: Compliance with CO standards	1 .
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.	on of Operating Method):
		 -
<u>Al</u>	lowable Emissions Allowable Emissions	<u>o</u> f
<u>Al</u>	Iowable Emissions Allowable Emissions Basis for Allowable Emissions Code:	of 2. Future Effective Date of Allowable Emissions:
1.		2. Future Effective Date of Allowable
1.	Basis for Allowable Emissions Code:	Equivalent Allowable Emissions: 2. Future Effective Date of Allowable Emissions: 4. Equivalent Allowable Emissions:

-							
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	G. VISIBLE EMISSIONS	S INFO	DM A	TION			
_					• •1 •		
	Complete if this emissions unit is or would be subemissions limitation.	ject to	a unit	-specific	visible		
Vi	Visible Emissions Limitation: Visible Emissions I	Limitatio	on <u>1</u>	of	2		
1.	¥ 3	Basis fo		owable Op	oacity: Other		
3.	3. Allowable Opacity: Normal Conditions: 10% Excepti Maximum Period of Excess Opacity Allowed:	ional Co	onditio	ns:	% min/hour		
	4. Method of Compliance: EPA Reference Method 9, 6-minute average.		-		* .		
Ai	5. Visible Emissions Comment: Air Permit No. PSD-FL-301A; 52-212.400(BACT), F.A.C.						
<u>Vis</u>	<u>Visible Emissions Limitation:</u> Visible Emissions Limitation 2 of 2						
1.		Basis fo		wable Op	oacity: Other		
3.	3. Allowable Opacity: Normal Conditions: 10 % Exception Maximum Period of Excess Opacity Allowed:	ional Co	nditio	ns:	20 % 60 min/day		
4.	Method of Compliance: EPA Reference Method 9.						
5.	i. Visible Emissions Comment:						

EU-024-21

Visible emissions during startup, shutdown or malfunction can exceed 10% opacity for up to ten 6-minute averaging periods per day during which the opacity shall not exceed

20%.

Air Permit No. PSD-FL-301A

Rule 62-212.400(BACT), F.A.C and 62-210.700(5), F.A.C.

EMISSIONS UNIT INFORMATION Section [6] of [8]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 3

1.	Parameter Code: EM	2.	Pollutant(s): NO _X
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Thermo Environmental		
	Model Number: 42 CLS		Serial Number: 74365-376
5.	Installation Date: 09/05/03	6.	Performance Specification Test Date: 12/16/03
7.	Continuous Monitor Comment:		•
	Required by 40 CFR Part 75 (Acid Rain I	Prog	gram).
Co	ntinuous Monitoring System: Continuous	Mon	nitor <u>2</u> of <u>3</u>
1.	Parameter Code: CO ₂	2.	Pollutant(s): Carbon Dioxide
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Siemens		
	Model Number: Ultramat 6		Serial Number: N1-ND-0879
5.	Installation Date: 09/05/03	6.	Performance Specification Test Date: 12/16/03
7.	Continuous Monitor Comment:		
	Required by 40 CFR Part 75 (Acid Rain I	Prog	gram).

EMISSIONS UNIT INFORMATION Section [6] of [8]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 3 of 3

1.	Parameter Code: EM	2.	Pollutant(s): CO
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Thermo Environmental		
	Model Number: 48 C	т	Serial Number: 48C-74342-376
5.	Installation Date: 9/5/03		Performance Specification Test Date: 12/16/03
7.	Continuous Monitor Comment:		
	Required by Air permit No. PSD-FL-301A	4 .	
			
Co	ntinuous Monitoring System: Continuous	Mon	itorof
1.	Parameter Code:	2.	Pollutant(s):
	CMS Requirement:		Rule Other
4.	Monitor Information		
	Manufacturer:		0 11 1
	Model Number:	-	Serial Number:
Э.	Installation Date:	о.	Performance Specification Test Date:
7.	Continuous Monitor Comment:		
			<i>,</i>

EMISSIONS UNIT INFORMATION

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I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 11 Previously Submitted, Date
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 12 Not Applicable
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 13 Previously Submitted, Date
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Not Applicable
6.	Compliance Demonstration Reports/Records Attached, Document ID:
	Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: <u>June 4, 2003</u>
	Test Date(s)/Pollutant(s) Tested: See additional requirements comment.
	To be Submitted, Date (if known):
	Test Date(s)/Pollutant(s) Tested:
	Not Applicable
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable

EMISSIONS UNIT INFORMATION N/A Section [6] of [8]

Additional Requirements for Air Construction Permit Applications

	ditional free an ements for fin Constitu	teron 1 ermit 12ppireutions
1.	Control Technology Review and Analys F.A.C.; 40 CFR 63.43(d) and (e))	is (Rules 62-212.400(6) and 62-212.500(7),
	Attached, Document ID:	☐ Not Applicable
2.	Good Engineering Practice Stack Height	Analysis (Rule 62-212.400(5)(h)6., F.A.C., and
	Rule 62-212.500(4)(f), F.A.C.)	_
	Attached, Document ID:	☐ Not Applicable
3.	Description of Stack Sampling Facilities facilities only)	(Required for proposed new stack sampling
	Attached, Document ID:	☐ Not Applicable
Ad	ditional Requirements for Title V Air (Operation Permit Applications
1.	Identification of Applicable Requires	ments
	Attached, Document ID: Attachmen	nts 6-1 and 6-2
2. 0	Compliance Assurance Monitoring	
	Attached, Document ID:	Not Applicable ■
3. /	Alternative Methods of Operation	
	Attached, Document ID:	Not Applicable
4. /	Alternative Modes of Operation (Emissio	ns Trading)
	Attached, Document ID:	Not Applicable ■
	Acid Rain Part Application	
	Certificate of Representation (EPA F	•
	Copy Attached, Document ID:	
	Action Part (Form No. 62-210.90)	` / ` //
	Attached, Document ID: <u>Attach</u>Previously Submitted, Date:	ment 15
	Repowering Extension Plan (Form)	
	Attached, Document ID:	10. 02-210.900(1)(a)1.)
	Previously Submitted, Date:	
	New Unit Exemption (Form No. 62-2	210.900(1)(a)2.)
	Attached, Document ID:	
	Previously Submitted, Date:	
	Retired Unit Exemption (Form No. 6	2-210.900(1)(a)3.)
	Attached, Document ID:	
	Previously Submitted, Date:	
	Phase Il NOx Compliance Plan (Form	n No. 62-210.900(1)(a)4.)
	Attached, Document ID:	
· .	Previously Submitted, Date:	N- (2 210 000(1)(-)5)
l	Phase II NOx Averaging Plan (Form	No. 02-210.900(1)(a)5.)
	Attached, Document ID: Previously Submitted, Date:	
Γ	Not Applicable	_

EMISSIONS UNIT INFORMATION Section [6] of [8]

Additional Requirements Comment

11/12/03—Ammonia slip 11/14/03—VE 12/16/03—CO, NO_x

EMISSIONS UNIT INFORMATION Section [7] **of** [8]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.	. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)								
	 ☑ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. ☑ The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit. 								
En	nissions Unit	Description and Sta	atus						
1.	 Type of Emissions Unit Addressed in this Section: (Check one) This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent). This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions. 								
	☐ This Emi	ssions Unit Informat	ion Section add	lress	ses, as a single em	issions unit, one or itive emissions only.			
2.	-	of Emissions Unit Ac							
169		ed-cycle combustion (MW). The CT is fin			,	g a nominal rating of ity natural gas.			
3.		nit Identification Nu							
				7	Emissions Unit	8. Acid Rain Unit?			
4.	Emissions Unit Status	5. Commence Construction	6. Initial Startup	7.	Major Group	Yes			
	Code:	Date:	Date:		SIC Code:	No No			
	A	4/01/01	11/18/03		49				
9.	Package Unit	:							
		r: General Electric			del Number: PG7	241(FA)			
		ameplate Rating: 16	9 MW (nomin	al)					
11.	11. Emissions Unit Comment:								

EMISSIONS UNIT INFORMATION Section [7] of [8]

E	<u>missions</u>	Unit	Control	Equi	pment

Emissions Unit Control Equipment	
. Control Equipment/Method(s) Description:	
NO _x Controls	
Ory low-NOx combustors Selective Catalytic Reduction (SCR)	
. Control Device or Method Code(s): 025 (staged combustion, i.e. dry low-NO _x ombustors), 065 (catalytic reduction)	
ome control to decivery	_

EMISSIONS UNIT INFORMATION Section [6] of [8]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

1.	Maximum Process or Throughput Rate: N/A	
2.	Maximum Production Rate: N/A	
3.	Maximum Heat Input Rate: 1,842 (HHV) million Btu/hr	
4.	Maximum Incineration Rate: pounds/hr N/A	
	tons/day	
5.	Requested Maximum Operating Schedule:	
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

Maximum heat input is based on higher heating value (HHV) of natural gas at 100%

load and 59 °F. Heat input will vary with load and ambient temperature.

EMISSIONS UNIT INFORMATION

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C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

Identification of Point or Flow Diagram: CT-2C	Plot Plan or	2. Emission Point Type Code:1					
3. Descriptions of Emission	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:						
N/A							
4. ID Numbers or Descripti	one of Emission Ll	nite with this Emissio	n Point in Common:				
N/A	ons of Enussion Of	ints with this Emissio	n Font in Common.				
5. Discharge Type Code: V	6. Stack Height 150 feet	:	7. Exit Diameter: 19.0 feet				
8. Exit Temperature: 220 °F	9. Actual Volum 1,030,000 ac	netric Flow Rate:	10. Water Vapor: % N/A				
11. Maximum Dry Standard dscfm	Flow Rate:	12. Nonstack Emission Point Height: feet					
13. Emission Point UTM Co- Zone: East (km):		14. Emission Point Latitude (DD/M	Latitude/Longitude M/SS)				
North (km):	Longitude (DD/MM/SS)					
15. Emission Point Commen	l:						
Stack temperature and flow	v rate is based on	100 % load at ambid	ent temperature of 59°F.				
Stack temperature and flow							
•			•				

EMISSIONS UNIT INFORMATION Section [7] of [8]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type):								
Combined-Cycle Combustion Turbine fired with pipeline quality natural gas.								
2. Source Classification Cod	e (SCC)·	3. SCC Units:						
20100201	c (500).			Feet Burned				
4. Maximum Hourly Rate: 1.934	5. Maximum . 16,941.8	Annual Rate:	6.	Estimated Annual Activity Factor: N/A				
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 925				
10. Segment Comment:			1					
 Fuel heat content (Field 9) r	represents lower	heating value.						
	- F							
Segment Description and Ra	ite. Seament	of						
Segment Description (Proc								
1. Segment Description (110)	cess/i dei Type).	•						
2. Source Classification Code	e (SCC):	3. SCC Units:						
	Γ .		1 _					
4. Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity Factor:				
7. Maximum % Sulfur:	8. Maximum % Ash:			Million Btu per SCC Unit:				
10. Segment Comment:	•							

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1.	Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
		Device Code	Device Code	Regulatory Code
	NOX	025,065		EL
	CO			EL
J	PM			EL
]	PM10			EL
	SO2			EL
	SAM			EL
	VOC		·	EL

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

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

1. Pollutant Emitted: NOX	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions:	4. Synthetically Limited?
23.1 lb/hour 101.2	tons/year Yes No
5. Range of Estimated Fugitive Emissions (as	applicable):
to tons/year	•
6. Emission Factor:	7. Emissions
	Method Code:
Reference:	0.
8. Calculation of Emissions:	
	·
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:
_	•
·	

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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

Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A			
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
3.5 ppmvd @ 15% O ₂ , 24-hour block	23.1 lb/hour 101.2 tons/year			
average				
5. Method of Compliance:				
EPA Reference Method 7E (initial) or No	O _x CEMS			
	· _			
6. Allowable Emissions Comment (Description	n of Operating Method):			
Air Permit No. PSD-FL-301A;	•			
DEP/TEC Consent Final Judgement;				
EPA/TEC Consent Decree;				
Also subject to less stringent NO _x limits of 40 CFR 60.332				

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective I Emissions: N/A	Date of Allowable		
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowa 23.1 lb/hour	able Emissions: N/A tons/year		
5.	5. Method of Compliance: EPA Reference Method 7E (initial)					
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A	of (Operating Method):			

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

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

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control: N/A
3. Potential Emissions:	4. Synthetically Limited?
28.7 lb/hour 125.7	tons/year Yes No
5. Range of Estimated Fugitive Emissions (as	s applicable):
to tons/year	
6. Emission Factor: 28.7 lb/hr	7. Emissions
D. Carre	Method Code:
Reference:	0.
8. Calculation of Emissions:	
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:
_	

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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 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A	
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:	
	7.8 ppmvd @ 15% O ₂		28.7 lb/hour 125.7 tons/year	
5.	Method of Compliance:			
	EPA Reference Method 10 or CO CEMS (initial)			
6.	Allowable Emissions Comment (Description of Operating Method):			
	Air Permit No. PSD-FL-301A;			
	62-212.400(BACT); F.A.C.			

Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowable Emissions: 28.7 lb/hour N/A tons/year
5.	Method of Compliance: EPA Reference Method 10 or CO CEMS (initi	ial)
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	of (Operating Method):

Allowable Emissions 3 of 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A		
3.	3. Allowable Emissions and Units:		Equivalent Allowable Emissions:		
	9.0 ppmvd @ 15% O ₂ , 24-hour block		N/A lb/hour N/A tons/year		
av	erage				
5.	5. Method of Compliance:				
	CO CEMS				
6.	6. Allowable Emissions Comment (Description of Operating Method):				
	Air Permit No. PSD-FL-301A;				
	62-212.400(BACT); F.A.C.				

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

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

1. Pollutant Emitted: PM	2. Total Perc	ent Efficiency of Control: N/A		
3. Potential Emissions:		4. Synthetically Limited?		
20.5 lb/hour 88.9	tons/year	☐ Yes No		
5. Range of Estimated Fugitive Emissions (as	applicable):			
to tons/year				
6. Emission Factor: 20.5 lb/hr		7. Emissions		
		Method Code:		
Reference: Sargent & Lundy		2.		
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load an	d 59 °F) for 8,7	60 hr/yr.		
9. Pollutant Potential/Estimated Fugitive Emissions Comment: PM emissions represent filterable and condensable particulate matter as measured by EPA reference methods 201 and 202.				

EMISSIONS UNIT INFORMATION Section [7] of [8]

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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 and Units: 0% opacity Method of Compliance: CPA Reference Method 9 Allowable Emissions Comment (Descriptor Permit No. PSD-FL-301A; 2-212.400(BACT); F.A.C.	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
Allowable Emissions Comment (Description Permit No. PSD-FL-301A;	tion of Operating Method):
Air Permit No. PSD-FL-301A;	tion of Operating Method):
	
wable Emissions Allowable Emissions	
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
Method of Compliance:	·
Allowable Emissions Comment (Descript	tion of Operating Method):
3	llowable Emissions Code: llowable Emissions and Units: lethod of Compliance:

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

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

1. Pollutant Emitted: PM10	2. Total Perc	cent Efficiency of Control: N/A		
3. Potential Emissions: 20.5 lb/hour 88.9	tons/year	4. Synthetically Limited? ☐ Yes ☒ No		
5. Range of Estimated Fugitive Emissions (as	•			
to tons/year				
6. Emission Factor: 20.5 lb/hr		7. Emissions Method Code:		
Reference: Sargent & Lundy		2.		
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load an	d 59 °F) for 8,7	760 hr/yr.		
9. Pollutant Potential/Estimated Fugitive Emissions Comment: PM10 emissions represent filterable and condensable particulate matter as measured by EPA reference methods 201 and 202.				
PM and PM10 are assumed to be equal.		·		

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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.

Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
. Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
. Method of Compliance: EPA Reference Method 9	
 Allowable Emissions Comment (Descrip Air Permit No. PSD-FL-301A; 	tion of Operating Method):
Allowable Emissions Allowable Emissions	of.
Allowable Emissions Allowable Emissions 1. Basis for Allowable Emissions Code:	of 2. Future Effective Date of Allowable Emissions:
Allowable Emissions Allowable Emissions	2. Future Effective Date of Allowable
Allowable Emissions Allowable Emissions 1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions: 4. Equivalent Allowable Emissions:

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

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

1. Pollutant Emitted: SO2	2. Total Percent Efficiency of Control: N/	A
3. Potential Emissions:	4. Synthetically Limited?	
11.1 lb/hour 45.1	tons/year Yes No	
5. Range of Estimated Fugitive Emissions (as	s applicable):	
to tons/year		
6. Emission Factor: 11.1 lb/hr	7. Emissions	
	Method Code	e:
Reference: Sargent & Lundy	2 , ,	
8. Calculation of Emissions: (2.0 gr S/ 100 scf) x (1.934 x 10 ⁶ ft ³ /l 11.1 lb/hr. Annual emissions based on 10.3 lb	/hr) x (1 lb S/ 7,000 gr S) x (2 lb SO ₂ /lb S) = b/hr (100% load and 59 °F) for 8,760 hr/yr	
9. Pollutant Potential/Estimated Fugitive Emis		

EMISSIONS UNIT INFORMATION Section [7] of [8]

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

	lowable Emissions Allowable Emissions	<u>1</u> of <u>1</u>
1.	Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: Pipeline Quality Natural Gas	4. Equivalent Allowable Emissions: 11.1 lb/hour 45.1 tons/year
5.	Method of Compliance: Fuel analysis for sulfur content per 40 C	CFR Part 75 requirements.
6.	Allowable Emissions Comment (Descripti Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to the less stringent fuel sul	
ΑI	lowable Emissions Allowable Emissions	<u>o</u> f
		
1.		2. Future Effective Date of Allowable Emissions:
3.	Basis for Allowable Emissions Code:	Emissions: 4. Equivalent Allowable Emissions:

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [7] of [8] Page [11] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

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

1. Pollutant Emitted: SAM	2. Total Percent Efficie	ncy of Control: N/A			
3. Potential Emissions:		etically Limited?			
2.0 lb/hour 8.3	tons/year Ye	es 🛛 No			
5. Range of Estimated Fugitive Emissions (a	s applicable):				
to tons/year					
6. Emission Factor: 2.0 lb/hr		7. Emissions			
		Method Code:			
Reference: Sargent & Lundy	·	2			
8. Calculation of Emissions:					
Hourly rate based on 8 % conversi		**			
of SO ₂ to SO ₃ (SCR) and 100 % conversion of	_	emission based on			
above conversions at 100% load and 59 °F fo	or 8,/60 hr/yr.				
	•				
9. Pollutant Potential/Estimated Fugitive Emissions Comment:					
9. Pollutant Potential/Estimated Fugitive Emi	ssions Comment:				
9. Pollutant Potential/Estimated Fugitive Emi	ssions Comment:				
9. Pollutant Potential/Estimated Fugitive Emi	ssions Comment:				
9. Pollutant Potential/Estimated Fugitive Emi	ssions Comment:				

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code: OTHER	Future Effective Date of Allowable Emissions: N/A			
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	Pipeline Quality Natural Gas	2.0 lb/hour 8.3 tons/year			
5.	Method of Compliance:				
	Fuel analysis for sulfur content per 40 CF	R Part 75 requirements.			
	•	· · ·			
6.	Allowable Emissions Comment (Description	of Operating Method):			
	The waste Emissions Comment (Description	of Operating Method).			
	Air Permit No. PSD-FL-301A;	of Operating Method).			
	` · · · · · · · · · · · · · · · · · · ·	of Operating Method).			

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

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section | 7 | of [8] Page [13] of | 14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

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

Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:			
3. Potential Emissions: 3.0 lb/hour 12.3	4. Synthetically Limited? tons/year			
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):			
6. Emission Factor: 3.0 lb/hr Reference: Sargent & Lundy	7. Emissions Method Code: 2			
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 2.8 lb/hr (100% load and	·			
9. Pollutant Potential/Estimated Fugitive Emis	sions Comment:			

EMISSIONS UNIT INFORMATION Section [7] of [8]

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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.

•	Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3. op	Allowable Emissions and Units: Efficient combustion design and eration	4. Equivalent Allowable Emissions: 3.0 lb/hour 12.3 tons/year
5.	Method of Compliance: Compliance with CO standards	,
6.	Allowable Emissions Comment (Descript Air Permit No. PSD-FL-301A;	ion of Operating Method):
	62-212.400(BACT), F.A.C.	
	62-212.400(BACT), F.A.C. lowable Emissions Allowable Emissions Basis for Allowable Emissions Code:	of 2. Future Effective Date of Allowable Emissions:
	lowable Emissions Allowable Emissions	2. Future Effective Date of Allowable
3.	Iowable Emissions Allowable Emissions Basis for Allowable Emissions Code:	Equivalent Allowable Emissions: 4. Equivalent Allowable Emissions:

G. VISIBLE EMISSI	ONS INFORMATION	
Complete if this emissions unit is or would be emissions limitation.	subject to a unit-speci	fic visible
Visible Emissions Limitation: Visible Emission	ons Limitation <u>1</u> of	
Visible Emissions Subtype: VE10	2. Basis for Allowable ☐ Rule	Opacity: Other
 Allowable Opacity: Normal Conditions: 10% Exc Maximum Period of Excess Opacity Allower 	ceptional Conditions:	% min/hour
4. Method of Compliance: EPA Reference Method 9, 6-minute average.		
62-212.400(BACT), F.A.C.		
Visible Emissions Limitation: Visible Emission	ons Limitation 2 of	
	ons Limitation 2 of 2. Basis for Allowable Rule	
Visible Emissions Subtype: VE20 3. Allowable Opacity:	2. Basis for Allowable Rule	Opacity:
 Visible Emissions Subtype: VE20 Allowable Opacity: Normal Conditions: 10 % Exception 	2. Basis for Allowable Rule	Opacity: Other 20 %

EMISSIONS UNIT INFORMATION

Rule 62-212.400(BACT), F.A.C and 62-210.700(5), F.A.C.

EMISSIONS UNIT INFORMATION Section [7] of [8]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 3

1.	Parameter Code: EM	2.	Pollutant(s): NO _X
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Thermo Environmental		
	Model Number: 42 CLS		Serial Number: 73531-373
5.	Installation Date: 11/18/03	6.	Performance Specification Test Date: 12/20/03
7.	Continuous Monitor Comment:		
	Required by 40 CFR Part 75 (Acid Rain	Prog	ram).
	entinuous Monitoring System: Continuous Parameter Code: CO ₂		itor 2 of 3 Pollutant(s): Carbon Dioxide
3.	CMS Requirement:		Rule Other
4.	Monitor Information Manufacturer: Siemens		
	Model Number: Ultramat 6		Serial Number: N1-ND-0984
5.	Installation Date: 11/18/03	6.	Performance Specification Test Date: 12/20/03
7.	Continuous Monitor Comment:		
	Required by 40 CFR Part 75 (Acid Rain)	Prog	ram).

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H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring. Continuous Monitoring System: Continuous Monitor 3 of 3

1.	Parameter Code: EM	2.	Pollutant(s): CO	
3.	CMS Requirement:	\boxtimes	Rule	Other
4.	Monitor Information Manufacturer: Thermo Environmental			
	Model Number: 48 C	1		r: 48C-74343-376
5.	Installation Date: 11/18/03	6.	Performance Special 12/20/03	cification Test Date:
7.	Continuous Monitor Comment:			
	Required by Air permit No. PSD-FL-301.	A.		
Co	ntinuous Monitoring System: Continuous	Mon	itorof	
	ntinuous Monitoring System: Continuous Parameter Code:		itorof Pollutant(s):	
1.				Other
 3. 	Parameter Code:		Pollutant(s):	Other
 3. 	Parameter Code: CMS Requirement: Monitor Information		Pollutant(s):	
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer:	2.	Pollutant(s): Rule Serial Numbe	
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number:	2.	Pollutant(s): Rule Serial Numbe	r:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2.	Pollutant(s): Rule Serial Numbe	r:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2.	Pollutant(s): Rule Serial Numbe	r:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	2.	Pollutant(s): Rule Serial Numbe	r:

EMISSIONS UNIT INFORMATION Section [7] of [8]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date
2.	operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 11 Previously Submitted, Date
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 12 Not Applicable
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 13 Previously Submitted, Date
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Not Applicable
6.	Compliance Demonstration Reports/Records Attached, Document ID:
	Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: <u>June 4, 2003</u>
!	Test Date(s)/Pollutant(s) Tested: See additional requirements comment.
	To be Submitted, Date (if known):
	Test Date(s)/Pollutant(s) Tested:
	Not Applicable
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable

EMISSIONS UNIT INFORMATION N/A Section [7] of [8]

Additional Rec	quirements fe	or Air	Construction	Permit A	pplications

1.	Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))
	Attached, Document ID: Not Applicable
2.	Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) Attached, Document lD: Not Applicable
3.	Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) Attached, Document ID: Not Applicable
<u>Ac</u>	Iditional Requirements for Title V Air Operation Permit Applications
1.	Identification of Applicable Requirements Attached, Document ID: Attachments 6-1 and 6-2
2.	Compliance Assurance Monitoring Attached, Document ID: Not Applicable
3.	Alternative Methods of Operation Attached, Document ID: Not Applicable
4.	Alternative Modes of Operation (Emissions Trading) Attached, Document ID: Not Applicable
5.	Acid Rain Part Application Certificate of Representation (EPA Form No. 7610-1) Copy Attached, Document ID: Attachment 14 Acid Rain Part (Form No. 62-210.900(1)(a)) Attached, Document ID: Attachment 15 Previously Submitted, Date: Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: Previously Submitted, Date: New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: Previously Submitted, Date: Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Not Applicable

EMISSIONS UNIT INFORMATION Section [7] of [8]

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12/19/03—Ammonia slip 12/20/03—VE, CO, NO_x

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1.	Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)						
	☐ The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.						
	_	sions unit addressed d emissions unit.	in this Emissic	ons Unit Information S	section is an		
<u>En</u>	nissions Unit	Description and St	atus .				
1.	Type of Emi	ssions Unit Addresse	ed in this Section	n: (Check one)			
	process o		activity, which	dresses, as a single em produces one or mor int (stack or vent).			
	process o		nd activities wh	ich has at least one de	issions unit, a group of finable emission point		
	_			lresses, as a single emes which produce fug	•		
2.		of Emissions Unit Ac					
	One combined-cycle combustion turbine generator (CT-2D) having a nominal rating of 169 megawatts (MW). The CT is fired exclusively using pipeline quality natural gas.						
169	y megawatts ([MW]. The CT is fi	rea exclusively	' using pipeline quali	ity natural gas.		
		·	<u></u>	using pipeline quan	ty natural gas.		
3.	Emissions U	nit Identification Nu	<u></u>	7. Emissions Unit	8. Acid Rain Unit?		
3.		·	mber: 026	7. Emissions Unit Major Group	8. Acid Rain Unit?		
3.	Emissions Unit Status Code:	nit Identification Nu. 5. Commence Construction Date:	mber: 026 6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:	8. Acid Rain Unit?		
3. 4.	Emissions Unit Status Code: A	nit Identification Number 5. Commence Construction Date: 4/01/01	mber: 026 6. Initial Startup	7. Emissions Unit Major Group	8. Acid Rain Unit?		
3. 4.	Emissions Unit Status Code: A Package Unit	nit Identification Nu: 5. Commence Construction Date: 4/01/01	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? ⊠ Yes □ No		
3. 4. 9.	Emissions Unit Status Code: A Package Unit Manufacturer	nit Identification Nu. 5. Commence Construction Date: 4/01/01 :: General Electric	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49 Model Number: PG7	8. Acid Rain Unit? ⊠ Yes □ No		
3. 4. 9.	Emissions Unit Status Code: A Package Unit Manufacturer	nit Identification Nu: 5. Commence Construction Date: 4/01/01 : : General Electric ameplate Rating: 16	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49 Model Number: PG7	8. Acid Rain Unit? ⊠ Yes □ No		
3. 4. 9.	Emissions Unit Status Code: A Package Unit Manufacturer Generator N	nit Identification Nu: 5. Commence Construction Date: 4/01/01 : : General Electric ameplate Rating: 16	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49 Model Number: PG7	8. Acid Rain Unit? ⊠ Yes □ No		
3. 4. 9.	Emissions Unit Status Code: A Package Unit Manufacturer Generator N	nit Identification Nu: 5. Commence Construction Date: 4/01/01 : : General Electric ameplate Rating: 16	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49 Model Number: PG7	8. Acid Rain Unit? ⊠ Yes □ No		
3. 4. 9.	Emissions Unit Status Code: A Package Unit Manufacturer Generator N	nit Identification Nu: 5. Commence Construction Date: 4/01/01 : : General Electric ameplate Rating: 16	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49 Model Number: PG7	8. Acid Rain Unit? ⊠ Yes □ No		
3. 4. 9.	Emissions Unit Status Code: A Package Unit Manufacturer Generator N	nit Identification Nu: 5. Commence Construction Date: 4/01/01 : : General Electric ameplate Rating: 16	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49 Model Number: PG7	8. Acid Rain Unit? ⊠ Yes □ No		
3. 4. 9.	Emissions Unit Status Code: A Package Unit Manufacturer Generator N	nit Identification Nu: 5. Commence Construction Date: 4/01/01 : : General Electric ameplate Rating: 16	mber: 026 6. Initial Startup Date: 11/14/03	7. Emissions Unit Major Group SIC Code: 49 Model Number: PG7	8. Acid Rain Unit? ⊠ Yes □ No		

EMISSIONS UNIT INFORMATION Section [8] of [8]

Emissions	Unit	Control	Eq	uipmen
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Emissions one control Equipment				
1. Control Equipment/Method(s) Description:				
NO _x Controls				
Dry low-NOx combustors				
Selective Catalytic Reduction (SCR)				
2. Control Device or Method Code(s): 025 (staged combustion, i.e. dry low-NO _x combustors), 065 (catalytic reduction)				

EMISSIONS UNIT INFORMATION

Section [8] of [8]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.) Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate: N/A	· · · · · · · · · · · · · · · · · · ·					
2. Maximum Production Rate: N/A						
3. Maximum Heat Input Rate: 1,842 (HHV) million Btu/hr						
4. Maximum Incineration Rate: pounds/hr N/A						
tons/day						
5. Requested Maximum Operating Schedule: 24 hours/day	7 days/week					
52 weeks/year	8,760 hours/year					
6. Operating Capacity/Schedule Comment:						
6. Operating Capacity/Schedule Comment: Maximum heat input is based on higher heating value (HHV) of natural gas at 100% load and 59 °F. Heat input will vary with load and ambient temperature.						

EMISSIONS UNIT INFORMATION

Section [8] of [8]

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1.	Identification of Point on Plot Plan or Flow Diagram: CT-2D		2. Emission Point Type Code: 1					
3.	Descriptions of Emission	Points Comprising	this Emissions Unit	for VE Tracking:				
	N/A							
				•				
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A							
5.	Discharge Type Code: V	6. Stack Height 150 feet	:	7. Exit Diameter: 19.0 feet				
8.	Exit Temperature: 220 °F	9. Actual Volum 1,030,000 ac	netric Flow Rate: fm	10. Water Vapor: % N/A				
11.	11. Maximum Dry Standard Flow Rate: 12. Nonstack Emission Point Height: feet							
13.	13. Emission Point UTM Coordinates Zone: East (km):		14. Emission Point Latitude/Longitude Latitude (DD/MM/SS)					
	North (km)	:	Longitude (DD/MM/SS)					
15.	Emission Point Comment:							
Stack temperature and flow rate is based on 100 % load at ambient temperature of 59°F. Stack temperature and flow rate will vary with load and ambient temperature.								

EMISSIONS UNIT INFORMATION Section [8] of [8]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type):

Combined-Cycle Combustion Turbine fired with pipeline quality natural gas.								
	. Source Classification Code (SCC): 3. SCC 20100201 Millio				Units: on Cubic Feet Burned			
4. Maxi 1.934	mum Hourly Rate:	5. Maximum 16,941.8	Annual Rate:	6.	Estimated Annual Activity Factor: N/A			
7. Maxi	mum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 925			
10. Segm	ent Comment:			•	•			
Fuel hea	t content (Field 9)	represents lower	r heating value.					
Segment	Description and Ra	ate: Segment	of					
1. Segm	ent Description (Pro	cess/Fuel Type):						
2. Source	e Classification Cod	e (SCC):	3. SCC Units	:				
4. Maxii	num Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity Factor:			
7. Maxii	num % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:			
10. Segment Comment:								
	-			_				

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
NOX	025,065		EL
СО			EL
PM			EL
PM10			EL
SO2			EL
SAM			EL · ·
VOC			EL
		_	
_			
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F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL/ESTIMATED FUGITIVE EMISSIONS

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: NOX	2. Total Percent Efficience	cy of Control: N/A
3. Potential Emissions:	<u>-</u> -	ically Limited?
23.1 lb/hour 101.2	tons/year Yes	⊠ No
5. Range of Estimated Fugitive Emissions (as	applicable):	
to tons/year		
6. Emission Factor:		7. Emissions
		Method Code:
Reference:		0
8. Calculation of Emissions:		_
·		
9. Pollutant Potential/Estimated Fugitive Emis	esions Comment:	
7. Foliutalit Fotential/Estilliated 1 ugitive Enlis	sions Comment.	
	•	

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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

Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A				
3. Allowable Emissions and Units: 3.5 ppmvd @ 15% O ₂ , 24-hour block average	4. Equivalent Allowable Emissions: 23.1 lb/hour 101.2 tons/year				
5. Method of Compliance: EPA Reference Method 7E (initial) or NO _x CEMS					
6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; DEP/TEC Consent Final Judgement; EPA/TEC Consent Decree; Also subject to less stringent NO _x limits of 40 CFR 60.332					

Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date of Allowable Emissions: N/A		
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowable Emissions: 23.1 lb/hour N/A tons/year		
5.	5. Method of Compliance: EPA Reference Method 7E (initial)				
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A	of (Operating Method):		

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: CO	2. Total Percent Efficien	ncy of Control: N/A
3. Potential Emissions: 28.7 lb/hour 125.7	—	etically Limited?
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 28.7 lb/hr Reference:		7. Emissions Method Code: 0
8. Calculation of Emissions:		
9. Pollutant Potential/Estimated Fugitive Emis	sions Comment:	
	·	

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions 1 of 3

1.	Basis for Allowable Emissions Code: RULE		Future Effective Date of Allowable Emissions: N/A		
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:		
	7.8 ppmvd @ 15% O ₂		28.7 lb/hour 125.7 tons/year		
5.	Method of Compliance:				
	EPA Reference Method 10 or CO CEMS (initial)				
6.	Allowable Emissions Comment (Description	of C	perating Method):		
	Air Permit No. PSD-FL-301A;				
	62-212.400(BACT); F.A.C.				

Allowable Emissions 2 of 3

1.	Basis for Allowable Emissions Code: RULE	2.	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: N/A	4.	Equivalent Allowable Emissions: 28.7 lb/hour N/A tons/year
5.	Method of Compliance: EPA Reference Method 10 or CO CEMS	(init	ial)
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C.	of (Operating Method):

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

]].	Basis for Allowable Emissions Code: RULE	2.	Future Effective Da Emissions: N/A	te of Allowable
	Allowable Emissions and Units:	4.	Equivalent Allowab	
	9.0 ppmvd @ 15% O ₂ , 24-hour block		N/A lb/hour	N/A tons/year
ave	erage			,
5.	Method of Compliance:			
	CO CEMS			
6.	Allowable Emissions Comment (Description	of (Operating Method):	
	Air Permit No. PSD-FL-301A;			
	62-212.400(BACT); F.A.C.			

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficie	ncy of Control: N/A
3. Potential Emissions: 20.5 lb/hour 88.9	4. Synth tons/year	etically Limited? es No
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):	
6. Emission Factor: 20.5 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load an	d 59 °F) for 8,760 hr/yr.	18 °F. Annual
9. Pollutant Potential/Estimated Fugitive Emis PM emissions represent filterable and conde EPA reference methods 201 and 202.		r as measured by

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

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

. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units: 10% opacity	4. Equivalent Allowable Emissions: 20.5 lb/hour 88.9 tons/year
. Method of Compliance: EPA Reference Method 9	· .
6. Allowable Emissions Comment (Descript Air Permit No. PSD-FL-301A;	ion of Operating Method):
4 llowable Emissions Allowable Emissions	of
Allowable Emissions Allowable Emissions	of 2. Future Effective Date of Allowable Emissions:
Allowable Emissions Allowable Emissions 1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
Allowable Emissions Allowable Emissions 1. Basis for Allowable Emissions Code: 3. Allowable Emissions and Units: 5. Method of Compliance:	Equivalent Allowable Emissions: 2. Future Effective Date of Allowable Emissions: 4. Equivalent Allowable Emissions:

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of Control: 1		
3. Potential Emissions: 20.5 lb/hour 88.9	tons/year 4. Synth	etically Limited? s 🔯 No	
5. Range of Estimated Fugitive Emissions (as to tons/year	applicable):		
6. Emission Factor: 20.5 lb/hr Reference: Sargent & Lundy		7. Emissions Method Code: 2	
8. Calculation of Emissions: Hourly emission rate based on GE emissions based on 20.3 lb/hr (100% load an	d 59 °F) for 8,760 hr/yr.	18°F. Annual	
9. Pollutant Potential/Estimated Fugitive Emis PM10 emissions represent filterable and by EPA reference methods 201 and 202.		matter as measured	
PM and PM10 are assumed to be equal.			

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

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

Allowable Emissions Allowable Emissions 1 of 1 2. Future Effective Date of Allowable 1. Basis for Allowable Emissions Code: RULE Emissions: N/A 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: 10% opacity 20.5 lb/hour 88.9 tons/year 5. Method of Compliance: **EPA Reference Method 9** 6. Allowable Emissions Comment (Description of Operating Method): Air Permit No. PSD-FL-301A; 62-212.400(BACT); F.A.C. Allowable Emissions Allowable Emissions 2. Future Effective Date of Allowable 1. Basis for Allowable Emissions Code: **Emissions:** 3. Allowable Emissions and Units: 4. Equivalent Allowable Emissions: lb/hour tons/year 5. Method of Compliance: 6. Allowable Emissions Comment (Description of Operating Method):

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: SO2	2. Total Percent Efficiency of Control: N/A		
3. Potential Emissions:	4.	Synthetically Limited?	
11.1 lb/hour 45.1	tons/year	Yes No	
5. Range of Estimated Fugitive Emissions (as	applicable):		
to tons/year			
6. Emission Factor: 11.1 lb/hr		7. Emissions	
		Method Code:	
Reference: Sargent & Lundy		2.	
8. Calculation of Emissions: (2.0 gr S/ 100 scf) x (1.934 x 10 ⁶ ft ³ / 11.1 lb/hr. Annual emissions based on 10.3 ll	o/hr (100% load a		
9. Pollutant Potential/Estimated Fugitive Emis	ssions Comment:		

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45.1 tons/year

11.1 lb/hour

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

1. Basis for Allowable Emissions Code:
OTHER

2. Future Effective Date of Allowable Emissions: N/A
3. Allowable Emissions and Units:
4. Equivalent Allowable Emissions:

5. Method of Compliance:
Fuel analysis for sulfur content per 40 CFR Part 75 requirements.

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

Air Permit No. PSD-FL-301A;

Pipeline Quality Natural Gas

DEP/TEC Consent Final Judgement;

EPA/TEC Consent Decree;

Also subject to the less stringent fuel sulfur limits of 40 CFR 60.333.

Allowable Emissions Allowable Emissions of

Allowable Emissions Allowable Emissions 1 of 1

1.	Basis for Allowable Emissions Code:	2.	Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions: lb/hour tons/year
	34 -7 1 CO 1'		

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

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [8] of [8] Page [11] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1.	Pollutant Emitted: SAM	2. Total Percent Efficiency of Control: N/A		
3.	Potential Emissions:		4. Synthetically Limited?	
	2.0 lb/hour 8.3	tons/year	☐ Yes ☐ No	
5.	Range of Estimated Fugitive Emissions (as	applicable):		
	to tons/year		·	
6.	Emission Factor: 2.0 lb/hr		7. Emissions	
			Method Code:	
Re	ference: Sargent & Lundy		2	
of ab	Calculation of Emissions: Hourly rate based on 8 % conversion of SO ₂ to SO ₃ (SCR) and 100 % conversion ove conversions at 100% load and 59 °F for	of SO3 to H2SO or 8,760 hr/yr.	4. Annual emission based on	
9.	Pollutant Potential/Estimated Fugitive Emis	ssions Commen	t:	

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F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 1

1,	Basis for Allowable Emissions Code: OTHER	2.	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:
	Pipeline Quality Natural Gas		2.0lb/hour 8.3 tons/year
5.	Method of Compliance:		
	Fuel analysis for sulfur content per 40 CFl	R Pa	art 75 requirements.
6.	Allowable Emissions Comment (Description	of (Operating Method):
	Air Permit No. PSD-FL-301A;		
	DEP/TEC Consent Final Judgement;		
l	EPA/TEC Consent Decree.		

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

EMISSIONS UNIT INFORMATION POLLUTANT DETAIL INFORMATION Section [8] of [8] Page [13] of [14]

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

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

1. Pollutant Emitted: VOC			2. Total Percent Efficiency of Control:			
3.	Potential Emiss	sions:		l	4. Synthe	etically Limited?
		3.0 lb/hour	12.3	tons/year	Ye	s 🔯 No
5.	Range of Estim	ated Fugitive Emi	ssions (as	applicable):		
	to	tons/year				
6.	Emission Facto	or: 3.0 lb/hr				7. Emissions
_	_			•		Method Code:
Re	ference: Sargen	t & Lundy				2
em	issions based o	emission rate base n 2.8 lb/hr (100%	load and	59 °F) for 8,76	60 hr/yr.	18 °F. Annual
9.	Pollutant Poten	tial/Estimated Fug	itive Emis	sions Commen	t:	

POLLUTANT DETAIL INFORMATION
Page | 14 | of | 14 |

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.

	nissions limitation. lowable Emissions Allowable Emissions <u>1</u>	_of1
1.	Basis for Allowable Emissions Code: RULE	Future Effective Date of Allowable Emissions: N/A
3.	Allowable Emissions and Units: Efficient combustion design and eration	4. Equivalent Allowable Emissions: 3.0 lb/hour 12.3 tons/year
<u> </u>	Method of Compliance: Compliance with CO standards	
6.	Allowable Emissions Comment (Description Air Permit No. PSD-FL-301A; 62-212.400(BACT), F.A.C.	of Operating Method):
Al	lowable Emissions Allowable Emissions	<u>o</u> f
1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3.	Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5.	Method of Compliance:	· .
6.	Allowable Emissions Comment (Description	of Operating Method):

G. VISIBLE EMIS Complete if this emissions unit is or would emissions limitation.	SIONS INFORMATION be subject to a unit-specific visible
Visible Emissions Limitation: Visible Emis	sions Limitation <u>1</u> of <u>2</u>
Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: ☐ Rule ☐ Other
Allowable Opacity: Normal Conditions: Maximum Period of Excess Opacity Allow	Exceptional Conditions: % wed: min/hour
4. Method of Compliance: EPA Reference Method 9, 6-minute averag	e.
62-212.400(BACT), F.A.C.	
Visible Emissions Limitation: Visible Emissions	sions Limitation 2 of 2
1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: ☐ Other
3. Allowable Opacity: Normal Conditions: 10 % E Maximum Period of Excess Opacity Allow	Exceptional Conditions: 20 % wed: 60 min/day
4. Method of Compliance: EPA Reference Method 9.	
5. Visible Emissions Comment:	
	or malfunction can exceed 10% opacity for ay during which the opacity shall not exceed

Page [1] of [1]

EMISSIONS UNIT INFORMATION Section [8] of [8]

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 3

1.	Parameter Code: EM	2.	Pollutant(s): NO _X
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Thermo Environmental		
	Model Number: 42 CLS		Serial Number: 73530-373
5.	Installation Date: 11/16/03	6.	Performance Specification Test Date: 12/17/03
7.	Continuous Monitor Comment:		<u>.</u>
	Required by 40 CFR Part 75 (Acid Rain l	Prog	gram).
	Parameter Code: CO ₂		nitor 2 of 3 Pollutant(s): Carbon Dioxide
3.	CMS Requirement:	\boxtimes	Rule Other
4.	Monitor Information Manufacturer: Siemens		
	Model Number: Ultramat 6		Serial Number: N1-ND-0893
5.	Installation Date: 11/16/03	6.	Performance Specification Test Date: 12/17/03
7.	Continuous Monitor Comment:		
	Required by 40 CFR Part 75 (Acid Rain F	Prog	gram).

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 3 of 3

٦.	Parameter Code: EM	2. Pollutant(s): CO
3.	CMS Requirement:	⊠ Rule ☐ Other
4.	Monitor Information Manufacturer: Thermo Environmental Model Number: 48 C	Serial Number: 48 C- 73683-374
5.	Installation Date: 11/16/03	6. Performance Specification Test Date: 12/17/03
7.	Continuous Monitor Comment:	
	Required by Air permit No. PSD-FL-301.	A .
		·
Co	ntinuous Monitoring System: Continuous	Monitorof
1		
1.	Parameter Code:	2. Pollutant(s):
	Parameter Code: CMS Requirement:	2. Pollutant(s): Rule Other
3.	CMS Requirement: Monitor Information Manufacturer: Model Number:	Rule Other Serial Number:
3.	CMS Requirement: Monitor Information Manufacturer:	Rule Other
3. 4.	CMS Requirement: Monitor Information Manufacturer: Model Number:	Rule Other Serial Number:
3. 4.	CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	Rule Other Serial Number:
3. 4.	CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	Rule Other Serial Number:
3. 4.	CMS Requirement: Monitor Information Manufacturer: Model Number: Installation Date:	Rule Other Serial Number:

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 3 Previously Submitted, Date
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 11 Previously Submitted, Date
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Attachment 12 Not Applicable
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
	Attached, Document ID: Attachment 13 Previously Submitted, Date
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) Attached, Document ID: Not Applicable
6.	Compliance Demonstration Reports/Records Attached, Document ID:
	Test Date(s)/Pollutant(s) Tested:
	Previously Submitted, Date: June 4, 2003
	Test Date(s)/Pollutant(s) Tested: See additional requirements comment.
	To be Submitted, Date (if known):
	Test Date(s)/Pollutant(s) Tested:
٠	Not Applicable
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7.	Other Information Required by Rule or Statute Attached, Document ID: Not Applicable

EMISSIONS UNIT INFORMATION N/A

Section [8] of [8]

Additional Rec	quirements for	· Air (Construction	Permit A	pp	olications

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))			
Attached, Document ID: Not Applicable			
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) Attached, Document ID: Not Applicable			
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) Attached, Document ID: Not Applicable			
Additional Requirements for Title V Air Operation Permit Applications			
 ldentification of Applicable Requirements 			
2. Compliance Assurance Monitoring Attached, Document ID: Not Applicable			
3. Alternative Methods of Operation Attached, Document ID: Not Applicable			
4. Alternative Modes of Operation (Emissions Trading) [Attached, Document ID: Not Applicable			
5. Acid Rain Part Application Certificate of Representation (EPA Form No. 7610-1) Copy Attached, Document ID: Attachment 14 Acid Rain Part (Form No. 62-210.900(1)(a)) Attached, Document ID: Attachment 15 Previously Submitted, Date: Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: Previously Submitted, Date: New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: Previously Submitted, Date: Previously Submitted, Date: Previously Submitted, Date: Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: Previously Submitted, Date: Not Applicable			

Additional	Req	uirements	Comment

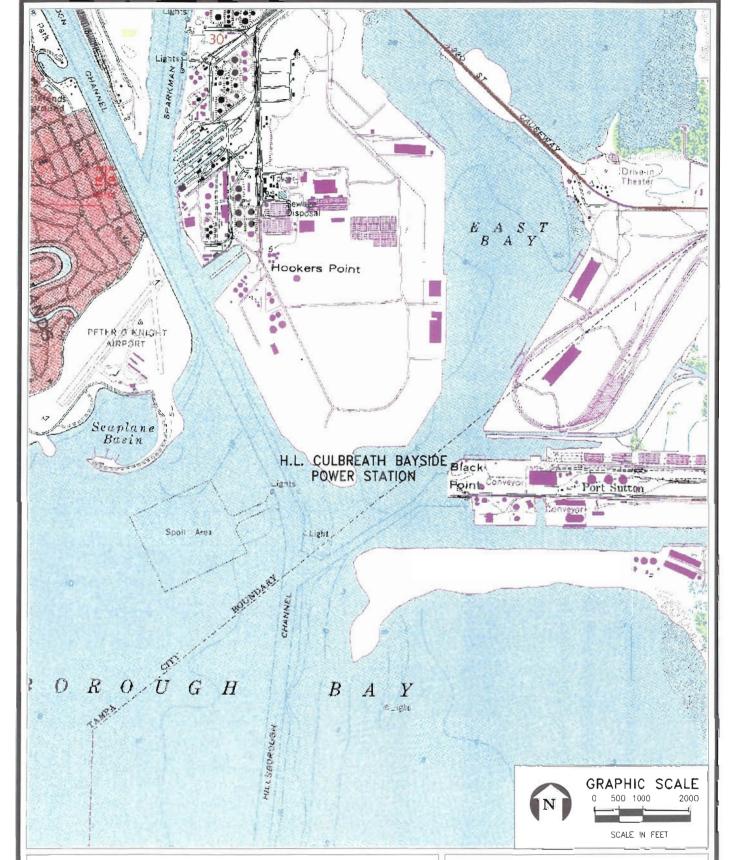
12/17/03—Ammonia slip, VE, CO, NO_x

ATTACHMENT 1

FACILITY PLOT PLAN—H.L. CULBREATH BAYSIDE POWER STATION AREA MAP



05/20/04 04:29 PM



ATTACHMENT 1.

H.L. CULBREATH BAYSIDE POWER STATION LOCATION AND SURROUNDINGS

Source: USGS Quad: Tampa, FL, 1990; ECT, 2004.



ATTACHMENT 2 FACILITY PLOT PLANS

Fuel Handling and Storage Sources (FH)

Description	Source ID	Attachment No
Barge to East Clamshell (Spillage) * Barge to West Clamshell (Spillage) * Barge to Continuous Unloader (Spillage) * East Clamshell to East Hopper * West Clamshell to West Hopper * Continuous Unloader to Conveyor A * Conveyor A to Continuous Feeder * East Hopper to Conveyor B * West Hopper to Conveyor B * Conveyor B to Conveyor C * Conveyor C to Conveyor D1/D2 (Flux to Flux Storage Pile) Railcar to Hopper * Hopper to Conveyor L * Conveyor L to Conveyor M1 Conveyor D1 to Conveyor M2 Conveyor D2 to Conveyor M2 Conveyor M1 to Conveyor E1 Conveyor M2 to Conveyor E2 Conveyor E1 to Storage Pile North Storage Pile East Portion of South Storage Pile Storage Pile Maintenance Truck Unlooding—Auxiliary Storage Pile	FH-001 FH-002 FH-003 FH-004 FH-005 FH-006 FH-007 FH-008 FH-011 FH-012 FH-013 FH-014 FH-015 FH-016 FH-017 FH-018 FH-019 FH-020 FH-021 FH-022 FH-023a FH-023b FH-023b FH-044 AH-001 AH-002	A-3B. A-3B. A-3B. A-3B. A-3B. A-3B. A-3B. A-3B. A-3C.

* THIS EQUIPMENT MAY ALSO BE USED TO TRANSFER FLUX.

Other Material Handling and Storage Sources (OMH)

Description	. Source	ce ID Attachment No.
Truck Dump to Flux Storage Pile Conveyor S To Conveyor D1/D2 Flux Storage Pile Maintenance Flux Storage Pile Underground Reclaim System To Conveyors	ОМН- ОМН-	-001 A-3A. -004 A-3C. -002 A-3A. -003 A-3A. -005 A-3A.

Combustion Sources (CS)

Description	Source ID	Attachment N	
Combustion Turbine No. 1A	CT-1A	A-3D.	
Combustion Turbine No. 1B	CT-1B	A-3D.	
Combustion Turbine No. 1C	CT-1C	A-3D.	
Combustion Turbine No. 2A	CT-2A	A-3E.	
Combustion Turbine No. 2B	CT-2B	A-3E.	
Combustion Turbine No. 2C	CT-2C	A-3E.	
Combustion Turbine No. 2D	CT-2D	A-3E.	

ATTACHMENT 2A.

H.L. CULBREATH BAYSIDE POWER STATION EMISSION SOURCE IDENTIFICATION KEY SHEET

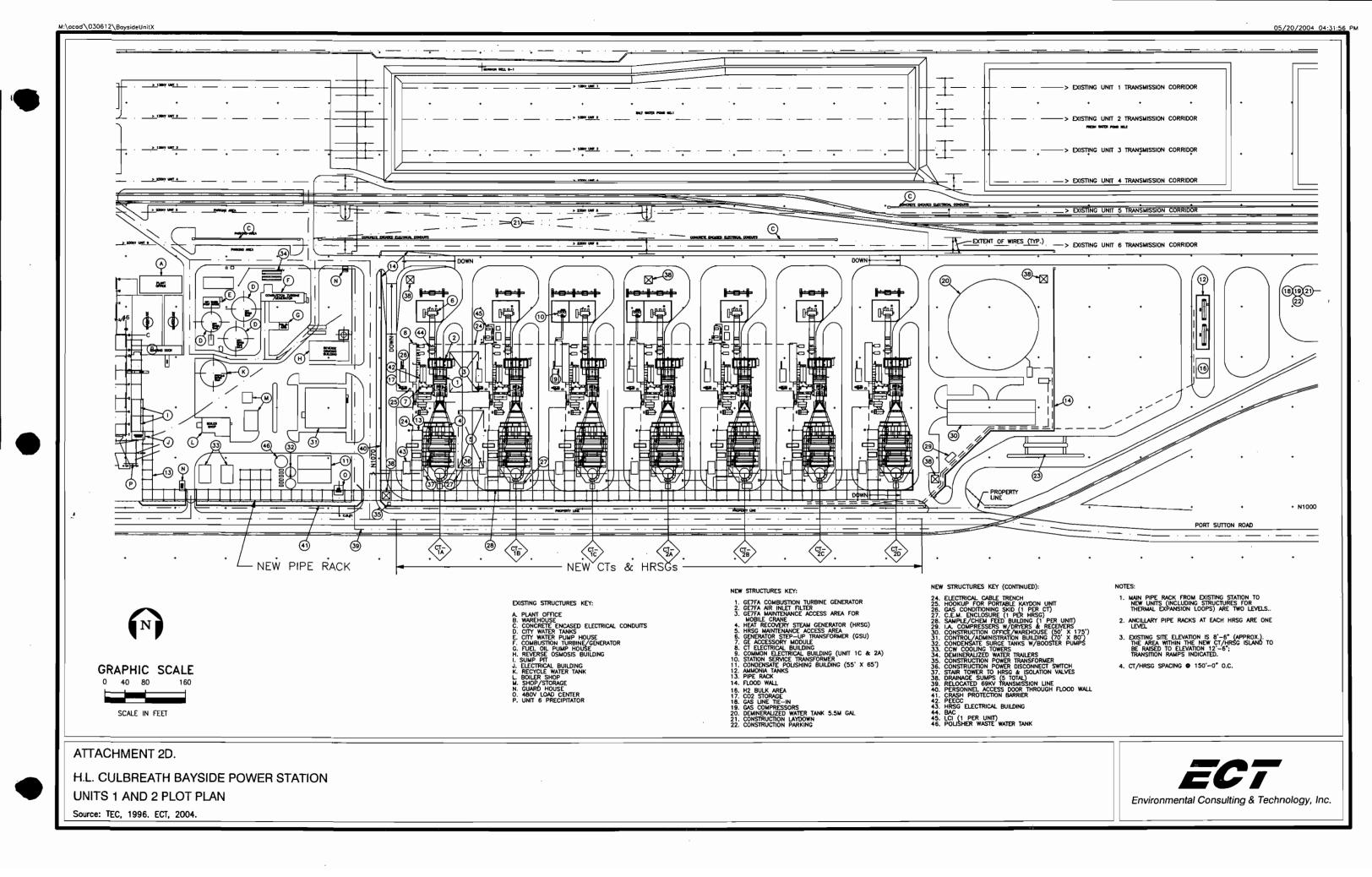
Source: TEC, 1996. ECT, 2004.

ATTACHMENT 2B.

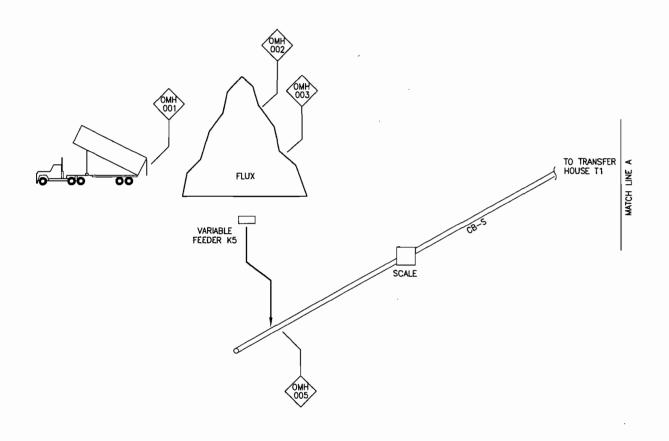
H.L. CULBREATH BAYSIDE POWER STATION OVERALL FACILITY PLOT PLAN

Source: TEC, 1996. ECT, 2004.

Source: TEC, 1996. ECT, 2004.



ATTACHMENT 3 PROCESS FLOW DIAGRAMS



LEGEND



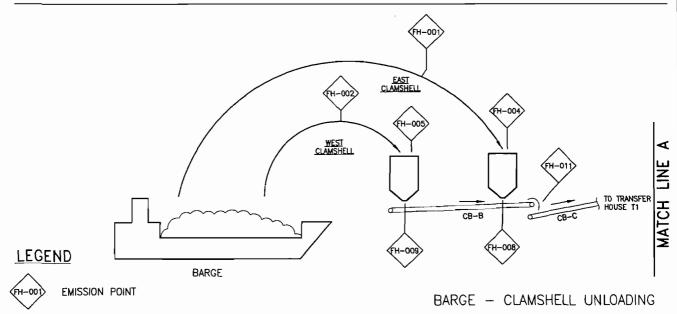
EMISSION POINT

ATTACHMENT 3A.

FLUX HANDLING AND STORAGE PROCESS FLOW DIAGRAM, FLUX UNLOADING

Source: ECT, 2004.





ATTACHMENT 3B.

FUEL AND FLUX HANDLING AND STORAGE PROCESS FLOW DIAGRAM, BARGE AND RAILCAR UNLOADING

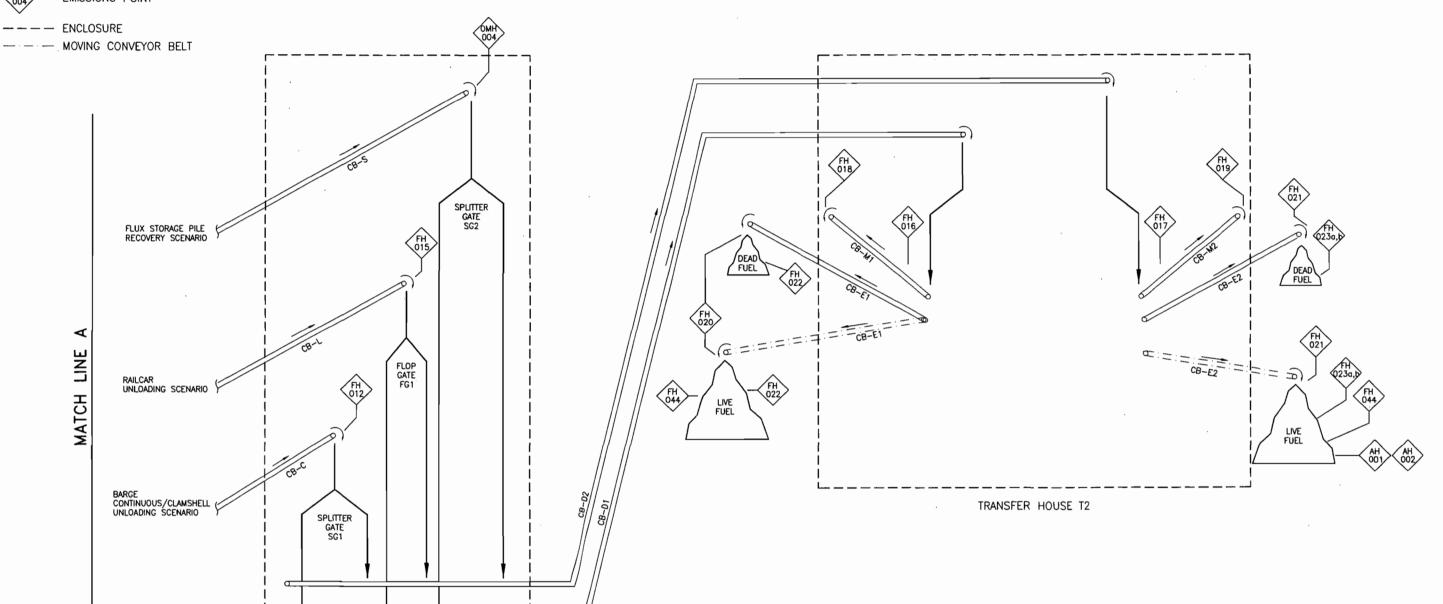
Source: ECT, 2004.



LEGEND



EMISSIONS POINT



ATTACHMENT 3C.

FUEL AND FLUX HANDLING AND STORAGE PROCESS FLOW DIAGRAM

TRANSFER HOUSE T1

Source: TEC, 1996. ECT, 2004.

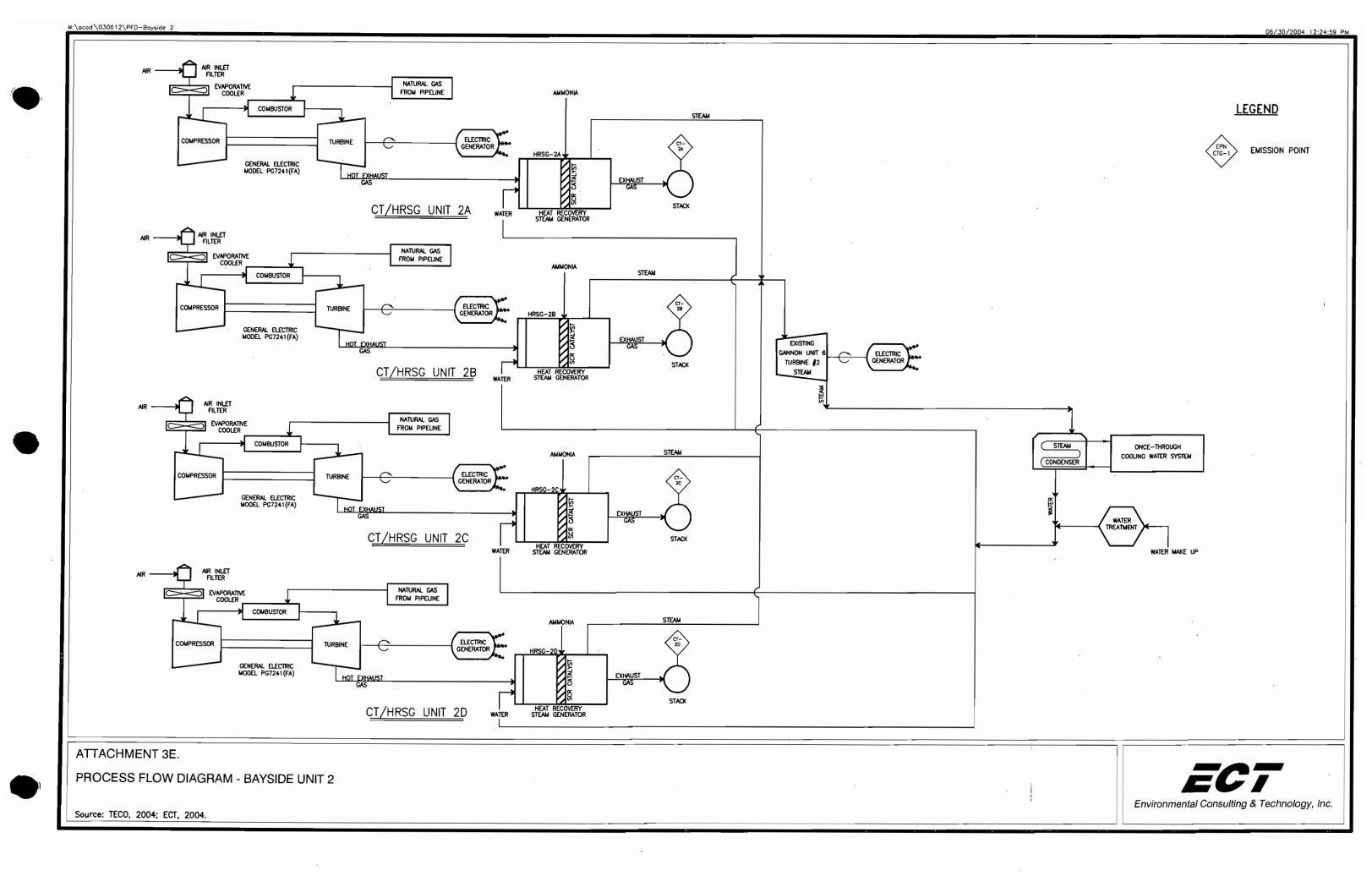
ECT

ATTACHMENT 3D.

PROCESS FLOW DIAGRAM - BAYSIDE UNIT 1

Source: TECO, 2004; ECT, 2004.

ECT



ATTACHMENT 4

PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER

ATTACHMENT 4

TAMPA ELECTRIC COMPANY H.L. CULBREATH BAYSIDE POWER STATION

PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER

Unconfined particulate matter emissions that may result from operations include:

- Vehicular traffic on paved and unpaved roads.
- Wind-blown dust from yard areas.
- Periodic abrasive blasting.

The following techniques will be used to prevent unconfined particulate matter emissions on an as-needed basis:

- Chemical or water application to:
 - o Unpaved roads.
 - o Unpaved yard areas.
- Paving and maintenance of roads, parking areas, and yards.
- Landscaping or planting of vegetation.
- Confining abrasive blasting where possible.
- Other techniques, as necessary.

ATTACHMENT 5 LIST OF INSIGNIFICANT ACTIVITIES

TAMPA ELECTRIC COMPANY H.L. CULBREATH BAYSIDE POWER STATION

LIST OF PROPOSED INSIGNIFICANT ACTIVITIES

- 1. Emergency diesel 600-kW generator (400 hours per year).
- 2. Freshwater cooling tower.
- 3. Brazing, soldering, or welding equipment.
- 4. Comfort heating units with a gross maximum heat output of less than 1 MMBtu/hr.
- 5. No. 2 and No. 6 fuel oil storage tanks.
- 6. No. 2 and No. 6 fuel oil truck unloading equipment.
- 7. Fuel oil processing/treating equipment.
- 8. Laboratory equipment used for chemical or physical analyses.
- 9. Fire and safety equipment.
- 10. Turbine vapor extractors.
- 11. Non-halogenated solvent storage and cleaning operations.
- 12. Architectural (equipment) maintenance painting.
- 13. Surface coating operations within a single facility if the total quantity of coatings containing greater than 5.0 percent VOCs, by volume, used is 6.0 gallons per day or less, averaged monthly, provided:
 - a. Such operations are not subject to a volatile organic compound Reasonably Available Control Technology (RACT) requirement of Chapter 62-296,
 F.A.C.
 - b. The amount of coatings used shall include any solvents and thinners used in the process including those used for cleanup.
- 14. Surface coating operations utilizing only coatings containing 5.0 percent or less VOCs, by volume.

TAMPA ELECTRIC COMPANY H.L. CULBREATH BAYSIDE POWER STATION

LIST OF PROPOSED INSIGNIFICANT ACTIVITIES (Continued, Page 2 of 2)

- 15. Degreasing units using heavier-than-air vapors exclusively, except any such unit using or emitting any substance classified as a hazardous air pollutant.
- 16. Internal combustion engines in boats, aircraft and vehicles used for transportation of passengers or freight.
- 17. Equipment used for steam cleaning.
- 18. Petroleum lubrication systems.
- 19. Any other emissions unit or activity that:
 - a. Is not subject to a unit-specific applicable requirement.
 - b. In combination with other units and activities proposed as insignificant, would not cause H.L. Culbreath Bayside Power Station to exceed any major source threshold(s) as defined by Rule 62-213.420(3)(c)1., F.A.C., unless acknowledged in a permit application.
 - c. Would neither emit or have the potential to emit:
 - 500 pounds per year of lead and lead compounds expressed as lead;
 - 1,000 pounds per year or more of any hazardous air pollutant;
 - 2,500 pounds per year or more of total hazardous air pollutants; or
 - 5.0 tons per year or more of any other regulated pollutant.

ATTACHMENTS 6-1 AND 6-2 IDENTIFICATION OF APPLICABLE REQUIREMENTS

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 1 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale	
40 CFR Part 60 - Standards of Per	formance for New Stationar	y Sources.	_		
Subpart A - General Provisions		_			
Notification and Recordkeeping	§60.7(b) - (h)		CT 1A-2D	General recordkeeping and reporting requirements.	
Performance Tests	§60.8		CT 1A-2D	Conduct performance tests as required by EPA or FDEP. (potential future requirement)	
Compliance with Standards	§60.11(a) thru (d), and (f)		CT 1A-2D	General compliance requirements. Addresses requirements for visible emissions tests.	
Circumvention	§60.12		CT 1A-2D	Cannot conceal an emission which would otherw constitute a violation of an applicable standard.	
Monitoring Requirements	§60.13(a), (b), (d), (e), and (h)		CT 1A-2D	Requirements pertaining to continuous monitoring systems.	
General notification and reporting requirements	§60.19		CT 1A-2D	General procedures regarding reporting deadlines.	
Subpart GG - Standard of Performan	ace for Stationary Gas Turbin	es			
Standards for Nitrogen Oxides	§60.332(a)(1) and (b), (f), and (i)		CT 1A-2D	Establishes NO, limit of 75 ppmv at 15% (with corrections for heat rate and fuel bound nitrogen) for electric utility stationary gas turbines with peak heat input greater than 100 MMBtu/hr.	
Standards for Sulfur Dioxide	§60.333		CT 1A-2D	Establishes exhaust gas SO ₂ limit of 0.015 percent by volume (at 15% O ₂ , dry) and maximum fuel sulfur content of 0.8 percent by weight.	

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 2 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
Subpart GG - Standard of Performa	ance for Stationary Gas Turbines			
Monitoring Requirements	§60.334(a)	Х	CT 1A-2D	Requires continuous monitoring of fuel consumption and ratio of water to fuel being fired in the turbine. Monitoring system must be accurate to ±5.0 percent. Applicable to CTs using water injection for NO _x control.
Monitoring Requirements	§60.334(b)(2) and (c)		CT 1A-2D	Requires periodic monitoring of fuel sulfur and nitrogen content. Defines excess emissions
Test Methods and Procedures	§60.335		CT 1A-2D	Specifies monitoring procedures and test methods.
40 CFR Part 60 - Standards of Performance for New Stationary Sources: Subparts B, C, Cb, Cc, Cd, Ce, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, WW, XX, AAA, BBB, DDD, FFF, GGG, HHH, III, JJJ, KKK, LLL, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, and WWW		X .		None of the listed NSPS' contain requirements which are applicable to the Bayside combined cycle CTs.
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants: Subparts A, B, C, D, E, F, H, I, J, K, L, M, N, O, P, Q, R, T, V, W, Y, BB, and FF		х		None of the listed NESHAPS' contain requirements which are applicable to the Bayside combined cycle CTs.
40 CFR Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories: Subparts A, B, C, D, E, F, G, H, I, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ, KK, LL, OO, PP, QQ, RR, SS, TT, UU, VV, WW, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, RRR, TTT, VVV, and XXX		x .		None of the listed NESHAPS' contain requirements which are applicable to the Bayside combined cycle CTs.

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 3 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
40 CFR Part 72 - Acid Rain Program Subpart A - Acid Rain Program Gener	•	-		
Standard Requirements	§72.9 excluding §72.9(c)(3)(i), (ii), and (iii), and §72.9(d)		CT 1A-2D	General Acid Rain Program requirements. SO ₂ allowance program requirements start January 1, 2000 (future requirement).
Subpart B - Designated Representative				
Designated Representative	§72.20 - §72.24		CT.1A-2D	General requirements pertaining to the Designated Representative.
Subpart C - Acid Rain Application				
Requirements to Apply	§72.30(a), (b)(2)(ii), (c), and (d)		CT 1A-2D	Requirement to submit a complete Phase II Acid Rain permit application to the permitting authority at least 24 months before the later of January 1, 2000 or the date on which the unit commences operation. (future requirement). Requirement to submit a complete Acid Rain permit application for each source with an affected unit at least 6 months prior to the expiration of an existing Acid Rain permit governing the unit during Phase II or such longer time as may be approved under part 70 of this chapter
				time as may be approved under part 70 of this chapter that ensures that the term of the existing permit will not expire before the effective date of the permit for which the application is submitted. (future requirement).

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 4 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
Permit Application Shield	§72.32		CT 1A-2D	Acid Rain Program permit shield for units filing a timely and complete application. Application is binding pending issuance of Acid Rain Permit.
Subpart D - Acid Rain Compliance I	Plan and Compliance Options	5		
General	§72.40(a)(1)		CT 1A-2D	General SO ₂ compliance plan requirements.
General	§72.40(a)(2)	x	·	General NO _x compliance plan requirements are not applicable to the Bayside combined cycle CTs.
Subpart E - Acid Rain Permit Conte	nts	·		
Permit Shield	§72.51		CT 1A-2D	Units operating in compliance with an Acid Rain Permit are deemed to be operating in compliance with the Acid Rain Program.
Subpart H - Permit Revisions		L.		
Fast-Track Modifications	§72.82(a) and (c)		CT 1A-2D	Procedures for fast-track modifications to Acid Rain Permits. (potential future requirement)
Subpart I - Compliance Certification	1			
Annual Compliance Certification Report	§72.90		CT 1A-2D	Requirement to submit an annual compliance report. (future requirement)
40 CFR Part 75 - Continuous Emi	ssion Monitoring			
Subpart A - General				
Prohibitions	§75.5		CT 1A-2D	General monitoring prohibitions.

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 5 of 11)

·			_	
Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
Subpart B - Monitoring Provisions				
General Operating Requirements	§75.10		CT 1A-2D	General monitoring requirements.
Specific Provisions for Monitoring SO ₂ Emissions	§75.11(d)(2)		CT 1A-2D	SO ₃ continuous monitoring requirements for gas- and oil-fired units. Appendix D election will be made.
Specific Provisions for Monitoring NO, Emissions	§75.12(a) and (b)		CT 1A-2D	NO _x continuous monitoring requirements for coal-fired units, gas-fired nonpeaking units or oil-fired nonpeaking units
Specific Provisions for Monitoring CO ₂ Emissions	§75.13(b)		CT 1A-2D	CO ₂ continuous monitoring requirements. Appendix G election will be made.
Subpart B - Monitoring Provisions				
Specific Provisions for Monitoring Opacity	§75.14(d)		CT 1A-2D	Opacity continuous monitoring exemption for diesel-fired units.
Subpart C - Operation and Maintena	nce Requirements			
Certification and Recertification Procedures	§75.20(b)	33333	CT 1A-2D	Recertification procedures (potential future requirement)
Certification and Recertification Procedures	§75.20(c)		CT 1A-2D	Recertification procedure requirements. (potential future requirement)
Quality Assurance and Quality Control Requirements	§75.21 except §75.21(b)		CT 1A-2D	General QA/QC requirements (excluding opacity).
Reference Test Methods	§75.22		CT 1A-2D	Specifies required test methods to be used for recertification testing (potential future requirement).

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 6 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
Out-Of-Control Periods	§75.24 except §75.24(e)		CT 1A-2D	Specifies out-of-control periods and required actions to be taken when out-of-control periods occur (excluding opacity).
Subpart D - Missing Data Substitution	n Procedures			
General Provisions	§75.30(a)(3), (b), (c)		CT 1A-2D	General missing data requirements.
Determination of Monitor Data Availability for Standard Missing Data Procedures	§75.32		CT 1A-2D	Monitor data availability procedure requirements.
Standard Missing Data Procedures	§75.33(a) and (c)		CT 1A-2D	Missing data substitution procedure requirements.
Subpart F - Recordkeeping Requirem	ents			
General Recordkeeping Provisions	§75.50(a), (b), (d), and (e)(2)		CT 1A-2D	General recordkeeping requirements for NO _x and Appendix G CO ₂ monitoring.
Monitoring Plan	§75.53(a), (b), (c), and (d)(1)		CT 1A-2D	Requirement to prepare and maintain a Monitoring Plan.
General Recordkeeping Provisions	§75.54(a), (b), (d), and (e)(2)		CT 1A-2D	Requirements pertaining to general recordkeeping.
General Recordkeeping Provisions for Specific Situations	§75.55(c)		CT 1A-2D	Specific recordkeeping requirements for Appendix D SO ₂ monitoring.

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 7 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
General Recordkeeping Provisions	§75.56(a)(1), (3), (5), (6), and (7)		CT 1A-2D	Requirements pertaining to general recordkeeping.
General Recordkeeping Provisions	§75.56(b)(1)		CT 1A-2D	Requirements pertaining to general recordkeeping for Appendix D SO ₂ monitoring.
Subpart G - Reporting Requirements				
General Provisions	§75.60		CT 1A-2D	General reporting requirements.
Notification of Certification and Recertification Test Dates	§75.61(a)(1) and (5), (b), and (c)		CT 1A-2D	Requires written submittal of recertification tests and revised test dates for CEMS. Notice of certification testing shall be submitted at least 45 days prior to the first day of recertification testing. Notification of any proposed adjustment to certification testing dates must be provided at least 7 business days prior to the proposed date change.
Subpart G - Reporting Requirements				
Recertification Application	§75.63		CT 1A-2D	Requires submittal of a recertification application within 30 days after completing the recertification test. (potential future requirement)
Quarterly Reports	§75.64(a)(1) - (5), (b), (c), and (d)		CT 1A-2D	Quarterly data report requirements.
40 CFR Part 76 - Acid Rain Nitrogen Oxides Emission Reduction Program		x		The Acid Rain Nitrogen Oxides Emission Reduction Program only applies to coal-fired utility units that are subject to an Acid Rain emissions limitation or reduction requirement for SO ₂ under Phase I or Phase II.

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 8 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
40 CFR Part 77 - Excess Emissions				· · · · · · · · · · · · · · · · · · ·
Offset Plans for Excess Emissions of Sulfur Dioxide	§77.3		CT 1A-2D	Requirement to submit offset plans for excess SO ₂ emissions not later than 60 days after the end of any calendar year during which an affected unit has excess SO ₂ emissions. Required contents of offset plans are specified (potential future requirement).
Deduction of Allowances to Offset Excess Emissions of Sulfur Dioxide	§77.5(b)		CT 1A-2D	Requirement for the Designated Representative to hold enough allowances in the appropriate compliance subaccount to cover deductions to be made by EPA if a timely and complete offset plan is not submitted or if EPA disapproves a proposed offset plan (potential future requirement).
Penalties for Excess Emissions of Sulfur Dioxide	§77.6		CT 1A-2D	Requirement to pay a penalty if excess emissions of SO ₂ occur at any affected unit during any year (potential future requirement).
40 CFR Part 82 - Protection of Strat	ospheric Ozone			
Production and Consumption Controls	Subpart A	х		The Bayside combined cycle CTs will not produce or consume ozone depleting substances.
Servicing of Motor Vehicle Air Conditioners	Subpart B	x		Bayside personnel will not perform servicing of motor vehicles which involves refrigerant in the motor vehicle air conditioner. All such servicing will be conducted by persons who comply with Subpart B requirements.

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 9 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances	Subpart C	X		Bayside will not sell or distribute any banned nonessential substances.
The Labeling of Products Using Ozone-Depleting Substances	Subpart E	Х		The Bayside combined cycle CTs will not produce any products containing ozone depleting substances.
Subpart F - Recycling and Emissions	Reduction			
Prohibitions	§82.154	X		Bayside personnel will not maintain, service, repair, or dispose of any appliances. All such activities will be performed by independent parties in compliance with §82.154 prohibitions.
Required Practices	\$82.156 except \$82.156(i)(5), (6), (9), (10), and (11)	Х		Contractors will maintain, service, repair, and dispose of any appliances in compliance with §82.156 required practices.

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 10 of 11)

Subpart F - Recycling and Emissions	Reduction		<u>-</u>	
Required Practices	§82.156(i)(5), (6), (9), (10), and (11)		Appliances as defined by §82.152- any device which contains and uses a Class I or II substance as a refrigerant and is used for household or commercial purposes, including any air conditioner, refrigerator, chiller, or freezer	Owner/operator requirements pertaining to repair of leaks.
Technician Certification	§82.161	X		Bayside personnel will not maintain, service, repair, o dispose of any appliances and therefore are not subject to technician certification requirements.
Certification By Owners of Recovery and Recycling Equipment	§82.162	х		Bayside personnel will not maintain, service, repair, o dispose of any appliances and therefore do not use recovery and recycling equipment.
Reporting and Recordkeeping Requirements	§82.166(k), (m), and (n)		Appliances as defined by §82.152	Owners/operators of appliances normally containing 5 or more pounds of refrigerant must keep servicing records documenting the date and type of service, as

well as the quantity of refrigerant added.

Table 6-1. Summary of Federally EPA Regulatory Applicability and Corresponding Requirements (Page 11 of 11)

Regulation	Citation	Not Applicable	Applicable Emission Units	Applicable Requirement or Non-Applicability Rationale
40 CFR Part 50 - National Primary Air Quality Standards	and Secondary Ambient	x .		State agency requirements - not applicable to individual emission sources.
40 CFR Part 51 - Requirements for Preparation, Adoption, and Submittal of Implementation Plans		X		State agency requirements - not applicable to individual emission sources.
40 CFR Part 52 - Approval and Promulgation of Implementation Plans		х		State agency requirements - not applicable to individual emission sources.
40 CFR Part 62 - Approval and Promulgation of State Plans for Designated Facilities and Pollutants		х		State agency requirements - not applicable to individual emission sources.
40 CFR Part 64 - Regulations on Compliance Assurance Monitoring for Major Stationary Sources		Х		Exempt per §64.2(b)(1)(iii) since CTs 1A-2D will meet Acid Rain Program monitoring requirements.
40 CFR Part 68 - Provisions for Chemical Accident Prevention			Ammonia Storage	Subject to provisions of 40 CFR Part 68 due to anhydrous ammonia storage.
40 CFR Part 70 - State Operating Permit Programs		x		State agency requirements - not applicable to individual emission sources.
40 CFR Parts 49, 53, 54, 55, 56, 57, 58, 59, 62, 66, 67, 69, 71, 74, 76, 79, 80, 81, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 600, and 610		х		The listed regulations do not contain any requirements which are applicable to the Bayside combined cycle CTs.

Source: ECT, 2004.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 1 of 12)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Chapter 62-4, F.A.C Permits: P	art I General				
Scope of Part I	62-4.001, F.A.C.	χ.			Contains no applicable requirements.
Definitions	62-4.020, .021, F.A.C.	x			Contains no applicable requirements.
Transferability of Definitions	62-4.021, .021, F.A.C.	x			Contains no applicable requirements.
General Prohibition	62-4.030, F.A.C		х		All stationary air pollution sources must be permitted, unless otherwise exempted.
Exemptions	62-4.040, F.A.C		х		Certain structural changes exempt from permitting. Other stationary sources exempt from permitting upon FDEP insignificance determination.
Procedures to Obtain Permits	62-4.050, F.A.C.		x		General permitting requirements.
Surveillance Fees	62-4.052, F.A.C.	x			Not applicable to air emission sources.
Permit Processing	62-4.055, F.A.C.	x			Contains no applicable requirements.
Consultation	62-4.060, F.A.C.	х			Consultation is encouraged, not required.
Standards for Issuing or Denying Permits; Issuance; Denial	62-4.070, F.A.C	х		-	Establishes standard procedures for FDEP. Requirement is not applicable to the Bayside combined cycle CTs.
Modification of Permit Conditions	62-4.080, F.A.C	x			Application is for initial contruction permit. Modification of permit conditions is not being requested.
Renewals	62-4.090, F.A.C.		X .		Establishes permit renewal criteria. Additional criteria are cited at 62-213 430(3), F.A.C. (future requirement)
Suspension and Revocation	62-4.100, F.A.C.		х		Establishes permit suspension and revo-

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 2 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
					cation criteria.
Financial Responsibility	62-4.110, F.A.C.	X			Contains no applicable requirements.
Transfer of Permits	62-4.120, F.A.C.	Х			A sale or legal transfer of a permitted facility is not included in this application.
Plant Operation - Problems	62-4.130, F.A.C.		X		Immediate notification is required whenever the permittee is temporarily unable to comply with any permit condition. Notification content is specified. (potential future requirement)
Review	62-4.150, F.A.C.	X			Contains no applicable requirements.
Permit Conditions	62-4.160, F.A.C.	X			Contains no applicable requirements.
Scope of Part II	62-4.2.00, F.A.C.	X	:		Contains no applicable requirements.
Construction Permits	62-4.210, F.A.C.	X			General requirements for construction permits.
Operation Permits for New Sources	62-4.220, F.A.C.	Х			General requirements for initial new source operation permits. (future requirement)
Water Permit Provisions	62-4.240 - 250, F.A.C.	X			Contains no applicable requirements.
Chapter 62-17, F.A.C Electrical F	Power Plant Siting	Х		· _	Power Plant Siting Act provisions.
Chapter 62-102, F.A.C Rules of Administrative Procedure - Rule Making			Х		General administrative procedures.
Chapter 62-103, F.A.C Rules of Administrative Procedure - Final Agency Action			Х		General administrative procedures.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 3 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Chapter 62-204, F.A.C State Im	plementation Plan	1	_		
State Implementation Plan	62-204.100, .200, .220(1)-(3), .240, .260, .320, .340, .360, .400, and .500, F.A.C.	X			Contains no applicable requirements.
Ambient Air Quality Protection	62-204.220(4), F.A.C.		X		Assessments of ambient air pollutant impacts must be made using applicable air quality models, data bases, and other requirements approved by FDEP and specified in 40 CFR Part 51, Appendix W.
State Implementation Plan	62-204.800(1) - (6), F.A.C.	х			Referenced federal regulations contain napplicable requirements.
State Implementation Plan	62-204.800(7)(a), (b)16.,(b)39., (c), (d), and (e), F.A.C.			CT 1A-2D	NSPS Subpart GG; see Table A-1 for detailed federal regulatory citations.
State Implementation Plan	62-204.800(8) - (13), (15), (17), (20), and (22) F.A.C.	X		-	Referenced federal regulations contain n applicable requirements.
State Implementation Plan	62-204.800 (14), (16), (18), (19), F.A.C.			CT 1A-2D	Acid Rain Program; see Table A-1 for detailed federal regulatory citations.
State Implementation Plan	62-204.800(21), F.A.C.		X		Protection of Stratospheric Ozone; see Table A-1 for detailed federal regulatory

citations.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 4 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
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Chapter 62-210, F.A.C Stationary	Sources - General Require	ments		
Purpose and Scope	62-210.100, F.A.C.	х		Contains no applicable requirements.
Definitions	62-210.200, F.A.C.	x		Contains no applicable requirements.
Small Business Assistance Program	62-210.220, F.A.C.	x		Contains no applicable requirements.
Permits Required	62-210.300(1) and (3), F.A.C.		X	Air construction permit required. Exemptions from permitting specified for certain facilities and sources.
Permits Required	62-210.300(2), F.A.C.		х	Air operation permit required. (future requirement)
Air General Permits	62-210.300(4), F.A.C.	X		Not applicable to the Bayside combined cycle CTs.
Notification of Startup	62-210.300(5), F.A.C.	х		Sources which have been shut down for more than one year shall notify the FDEP prior to startup.
Emission Unit Reclassification	62-210.300(6), F.A.C.		X	Emission unit reclassification (potential future requirement)
Public Notice and Comment				
Public Notice of Proposed Agency Action	62-210.350(1), F.A.C.		х	All permit applicants required to publish notice of proposed agency action.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 5 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Additional Notice Requirements for Sources Subject to Prevention of Significant Deterioration or Nonattainment Area New Source Review	62-210.350(2), F.A.C.		х		Additional public notice requirements for PSD and nonattainment area NSR applications.
Additional Public Notice Requirements for Sources Subject to Operation Permits for Title V Sources	62-210.350(3), F.A.C.		х		Notice requirements for Title V operating permit applicants (future requirement).
Public Notice Requirements for FESOPS and 112(g) Emission Sources	62-210.350(4) and (5), F.A.C.	х			Not applicable to the Bayside combined cycle CTs.
Administrative Permit Corrections	62-210.360, F.A.C.	Х			An administrative permit correction is not requested in this application.
Reports Notification of Intent to Relocate Air Pollutant Emitting Facility	62-210.370(1), F.A.C.	х		-	Project does not have any relocatable emission units.
Annual Operating Report for Air Pollutant Emitting Facility	62-210.370(3), F.A.C.		X		Specifies annual reporting requirements. (future requirement).
Stack Height Policy	62-210.550, F.A.C.		x .		Limits credit in air dispersion studies to good engineering practice (GEP) stack heights for stacks constructed or modified since 12/31/70.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 6 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
	·				
Circumvention	62-210.650, F.A.C.		х		An applicable air pollution control device cannot be circumvented and must be operated whenever the emission unit is operating.
Excess Emissions	62-210.700(1), F.A.C.		Х		Excess emissions due to startup, shut down, and malfunction are permitted for no more than two hours in any 24 hour period unless specifically authorized by the FDEP for a longer duration. Excess emissions for up to 18 hours in a 24 hour period are specifically requested for the Bayside combined cycle CTs. See Section 2.2 of the PSD permit application for details.
Excess Emissions	62-210.700(2) and (3), F.A.C.	х			Not applicable to the Bayside combined cycle CTs.
Excess Emissions	62-210.700(4), F.A.C.		X		Excess emissions caused entirely or in part by poor maintenance, poor operations, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction are prohibited. (potential future requirement).
Excess Emissions	62-210.700(5), F.A.C.	x			Contains no applicable requirements.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 7 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Excess Emissions	62-210.700(6), F.A.C.		х		Excess emissions resulting from malfunctions must be reported to the FDEP in accordance with 62-4.130, F.A.C. (potential future requirement).
Forms and Instructions	62-210.900, F.A.C.		х		Contains AOR requirements.
Notification Forms for Air General Permits	62-210.920, F.A.C.	x			Contains no applicable requirements.
Chapter 62-212, F.A.C Stationary	Sources - Preconstruction	Review			
Purpose and Scope	62-212.100, F.A.C.	X			Contains no applicable requirements.
General Preconstruction Review Requirements	62-212.300, F.A.C.		X		General air construction permit requirements.
Prevention of Significant Deterioration	62-212.400, F.A.C.		х		PSD permit required prior to construction of Project.
New Source Review for Nonattain- ment Areas	62-212.500, F.A.C.	х		-	Project is not located in a nonattainment area or a nonattainment area of influence.
Sulfur Storage and Handling Facilities	62-212.600, F.A.C.	x			Applicable only to sulfur storage and handling facilities.
Air Emissions Bubble	62-212.710, F.A.C.	x			Not applicable to the Bayside combined cycle CTs.
Chapter 62-213, F.A.C Operation	Permits for Major Source	s of Air Pollutio	on :		
Purpose and Scope	62-213.100, F.A.C.	х			Contains no applicable requirements.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 8 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Annual Emissions Fee	62-213.205(1), (4), and (5), F.A.C.		X		Annual emissions fee and documentation requirements. (future requirement)
Annual Emissions Fee	62-213.205(2) and (3), F.A.C.	х			Contains no applicable requirements.
Title V Air General Permits	62-213.300, F.A.C.	X			No eligible facilities
Permits and Permit Revisions Required	62-213.400, F.A.C.		x		Title V operation permit required. (future requirement)
Changes Without Permit Revision	62-213.410, F.A.C.		Х		Certain changes may be made if specific notice and recordkeeping requirements are met (potential future requirement).
Immediate Implementation Pending Revision Process	62-213.412, F.A.C.		х		Certain modifications can be implemented pending permit revision if specific criteria are met (potential future requirement).
Fast-Track Revisions of Acid Rain Parts	62-213.413, F.A.C.			CT 1A-2D	Optional provisions for Acid Rain permit revisions (potential future requirement).
Trading of Emissions within a Source	62-213.415, F.A.C.	х			Applies only to facilities with a federally enforceable emissions cap.
Permit Applications	62-213.420(1)(a)2. and (1)(b), (2), (3), and (4), F.A.C.		x		Title V operating permit application required no later than 180 days after commencing operation. (future requirement)

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 9 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Permit Issuance, Renewal, and Revision					
Action on Application	62-213.430(1), F.A.C.	X			Contains no applicable requirements.
Permit Denial	62-213.430(2), F.A.C.	X			Contains no applicable requirements.
Permit Renewal	62-213.430(3), F.A.C.		х		Permit renewal application requirements (future requirement).
Permit Revision	62-213.430(4), F.A.C.		X		Permit revision application requirements (potential future requirement).
EPA Recommended Actions	62-213.430(5), F.A.C.	х			Contains no applicable requirements.
Insignificant Emission Units	62-213.430(6), F.A.C.	X .			Contains no applicable requirements.
Permit Content	62-213.440, F.A.C.	х			Agency procedures, contains no applicable requirements.
Permit Review by EPA and Affected States	62-213.450, F.A.C.	x			Agency procedures, contains no applicable requirements.
Permit Shield	62-213.460, F.A.C.		X		Provides permit shield for facilities in compliance with permit terms and conditions. (future requirement)
Forms and Instructions	62-213.900, F.A.C.		X		Contains annual emissions fee form requirements.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 10 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Chapter 62-214—Requirements for Sources Subject to the Federal Acid Rain Program					
Purpose and Scope	§62-214.100, F.A.C.	x			Contains no applicable requirements.
Applicability	§62-214.300, F.A.C.		х		Project includes Acid Rain affected units, therefore compliance with §62-213 and §62-214, F.A.C., is required.
Applications	§62-214.320, F.A.C.			CT 1A-2D	Acid Rain application requirements. Application for new units are due at least 24 months before the later of 1/1/2000 or the date on which the unit commences operation. (future requirement)
Acid Rain Compliance Plan and Compliance Options	§62-214.330(1)(a), F.A.C.			CT 1A-2D	Acid Rain compliance plan requirements. Sulfur dioxide requirements become effective the later of 1/1/2000 or the deadline for CEMS certification pursuant to 40 CFR Part 75. (future requirement)
Exemptions	§62-214.340, F.A.C.		X .	-	An application may be submitted for certain exemptions (potential future requirement).
Certification	§62-214.350, F.A.C.			CT 1A-2D	The designated representative must certify all Acid Rain submissions. (future requirement)
Department Action on Applications	§62-214.360, F.A.C.	Х			Contains no applicable requirements.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 11 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Revisions and Administrative Corrections	§62-214.370, F.A.C.			CT 1A-2D	Defines revision procedures and automatic amendments (potential future requirement)
Acid Rain Part Content	§62-214.420, F.A.C.	X			Agency procedures, contains no applicable requirements.
Implementation and Termination of Compliance Options	§62-214.430, F.A.C.			. CT 1A-2D	Defines permit activation and termination procedures (potential future requirement).
Chapter 62-242 - Motor Vehicle Standards and Test Procedures	62-242, F.A.C.	х			Not applicable to the Bayside combined cycle CTs.
Chapter 62-243 - Tampering with Motor Vehicle Air Pollution Control Equipment	62-243, F.A.C.	X .			Not applicable to the Bayside combined cycle CTs.
Chapter 62-252 - Gasoline Vapor Control	62-252, F.A.C.	X			Not applicable to the Bayside combined cycle CTs.
Chapter 62-256 - Open Burning and	Frost Protection Fires				
Declaration and Intent	62-256.100, F.A.C.	X			Contains no applicable requirements.
Definitions	62-256.200, F.A.C.	X			Contains no applicable requirements.
Prohibitions	62-256.300, F.A.C.		х		Prohibits open burning.
Burning for Cold and Frost Protection	62-256.450, F.A.C.	х	·		Limited to agricultural protection.
Land Clearing	62-256.500, F.A.C.		х		Defines allowed open burning for non- rural land clearing and structure demoli-

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 12 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
· · · · · · · · · · · · · · · · · · ·				•	tion.
Industrial, Commercial, Municipal, and Research Open Burning	62-256.600, F.A.C.		Х		Prohibits industrial open burning
Open Burning allowed	62-256.700, F.A.C.		X		Specifies allowable open burning activities. (potential future requirement)
Effective Date	62-256.800, F.A.C.	x			Contains no applicable requirements.
Chapter 62-257 - Asbestos Fee	62-257, F.A.C.	х			Not applicable to the Bayside combined cycle CTs.
Chapter 62-281 - Motor Vehicle Air Conditioning Refrigerant Recovery and Recycling	62-281, F.A.C.	х			Not applicable to the Bayside combined cycle CTs.
Chapter 62-296 - Stationary Source	- Emission Standards		_		
Purpose and Scope	62-296.100, F.A.C.	x		_	Contains no applicable requirements
General Pollutant Emission Limiting Standard, Volatile Organic Compounds Emissions	62-296.320(1), F.A.C.		х	-	Known and existing vapor control devices must be applied as required by the Department.
General Pollutant Emission Limiting Standard, Objectionable Odor Prohibited	62-296.320(2), F.A.C.		х		Objectionable odor release is prohibited.
General Pollutant Emission Limiting Standard, Industrial, Commercial, and Municipal Open Burning Prohibited	62-296.320(3), F.A.C.		x		Open burning in connection with industrial, commercial, or municipal operations is prohibited.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 13 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
General Particulate Emission Limit- ing Standard, Process Weight Table	62-296.320(4)(a), F.A.C.	х			Project does not have any applicable emission units. Combustion emission units are exempt per 62-296.320(4)(a)1a.
General Particulate Emission Limit- ing Standard, General Visible Emission Standard	62-296.320(4)(b), F.A.C.		х		Opacity limited to 20 percent, unless otherwise permitted. Test methods specified.
General Particulate Emission Limit- ing Standard, Unconfined Emission of Particulate Matter	62-296.320(4)(c), F.A.C.		. x		Reasonable precautions must be taken to prevent unconfined particulate matter emission.
Specific Emission Limiting and Performance Standards	62-296.401 through 62- 296.417, F.A.C.	х			None of the referenced standards are applicable to the Bayside combined cycle CTs.
Reasonably Available Control Technology (RACT) Volatile Organic Compounds (VOC) and Nitrogen Oxides (NO,) Emitting Facilities	62-296.500 through 62- 296.516, F.A.C.	х			Project is not located in an ozone nonattainment area or an ozone air quality maintenance area.
Reasonably Available Control Technology (RACT) - Requirements for Major VOC- and NO _x -Emitting Facilities	62-296.570, F.A.C.	х			Project is not located in a specified ozone nonattainment area or a specified ozone air quality maintenance area (i.e., is not located in Broward, Dade or Palm Beach Counties)
Reasonably Available Control Technology (RACT) - Lead	62-296.600 through 62- 296.605, F.A.C.	x	·		Project is not located in a lead nonattain- ment area or a lead air quality mainte- nance area.

Table 6-2. Summary of FDEP Regulatory Applicability and Corresponding Requirements (Page 14 of 14)

Regulation	Citation	Not Applicable	Applicable: Facility- Wide	Applicable: Emission Units	Applicable Requirement or Non-Applicability Rationale
Reasonably Available Control Technology (RACT)—Particulate Matter	§62-296.700 through 62- 296.712, F.A.C.			EU-008	Fuel Yard is subject to 62-296.711, F.A.C., material handling, sizing, screening, crushing, and grinding operations.
Chapter 62-297 - Stationary Source	s - Emissions Monitoring				
Purpose and Scope	62-297.100, F.A.C.	x			Contains no applicable requirements.
General Compliance Test Requirements	62-297.310, F.A.C.		х		Specifies general compliance test requirements.
Compliance Test Methods	62-297.401, F.A.C.	х			Contains no applicable requirements.
Supplementary Test Procedures	62-297.440, F.A.C.	х			Contains no applicable requirements.
EPA VOC Capture Efficiency Test Procedures	62-297.450, F.A.C.	x			Not applicable to the Bayside combined cycle CTs.
CEMS Performance Specifications	62-297.520, F.A.C.	х			Contains no applicable requirements.
Exceptions and Approval of Alternate Procedures and Requirements	62-297.620, F.A.C.			EU-008	Alternative requirement of 5 percent opacity in lieu of PM compliance testing.

^{&#}x27; - State requirement only; not federally enforceable.

Source: ECT, 2004.

ATTACHMENT 7 COMPLIANCE REPORT AND PLAN

TAMPA ELECTRIC COMPANY H. L. CULBREATH BAYSIDE POWER STATION

COMPLIANCE REPORT, PLAN, AND CERTIFICATION

1. Compliance Report and Plan

Attachments A-6A and A-6B to this Title V operation permit revision application, FINAL Permit No. PSD-FL-301A, and FINAL Title V Permit No. 0570040-017-AV identify the requirements that are applicable to the emission units that comprise this Title V source. Each emissions unit is in compliance, and will continue to comply, with the respective applicable requirements.

The emission units that comprise this Title V source will comply with future-effective applicable requirements on a timely basis.

2. Proposed Schedule for the Submission of Periodic Compliance Statements Throughout the Permit Term

Periodic compliance statements are proposed to be submitted on an annual basis within 60 days after the end of each calendar year pursuant to the requirements of FDEP Rule 62-213.440(3)(a)2.a, F.A.C.

3. Compliance Certification

I, the undersigned, am the responsible official as defined in Chapter 62-210.200(220), F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made and data contained in this report are true, accurate, and complete.

Wade A. Maye

General Manager

Date

LIST OF EQUIPMENT/ ACTIVITIES REGULATED UNDER TITLE VI

TAMPA ELECTRIC COMPANY H. L. CULBREATH BAYSIDE POWER STATION

LIST OF EQUIPMENT/ACTIVITIES REGULATED UNDER TITLE VI

- Unit # 3008, Carrier 30GTN35-PK6—57.3 pounds of Refrigerant 22 (R-22)
- Unit # 3009, Carrier 30GTN35-PK6—57.3 pounds of Refrigerant 22 (R-22)

VERIFICATION OF RISK MANAGEMENT SUBMISSION TO EPA



TAMPA ELECTRIC

June 18, 2004

Risk Management Plan (RMP) Reporting Center c/o CSC 8400 Corporate Drive, Ste. 300 New Carrollton, MD 20785 Via FedEx Airbill No. 7906 7418 7169

Mr. Donald Kunish State Emergency Response Commission (S.E.R.C.) 2555 Shumard Oak Boulevard Tallahassee, Florida 32399-2149 Via FedEx Airbill No. 7926 6632 6899

Re: Tampa Electric Company
Bayside Power Station
Bisk Management Plan (P.

Risk Management Plan (RMP)

Pursuant to 40 CFR 68

To Whom It May Concern:

According to 40 CFR 68, Tampa Electric Company (TEC) is required to update and re-submit a Risk Management Plan (RMP) for the anhydrous ammonia present at Bayside Power Station, over the threshold quantity (10,000 lbs) of a regulated substance in a process. Although the five-year update to the RMP is due at a time later than June 21, 2004, all RMPs must contain the new data elements according to the changes of the Chemical Accident Prevention Rule (Risk Management Program) in 2004. Please find enclosed one (1) disk with the RMP*Submit report for the facility.

If you have any questions, please contact Raiza Calderon or me at (813) 228-4369.

Sincerely,

Laura R. Crouch

Manager - Air Programs

Environmental, Health & Safety

EHS\gm\RC132

Enclosure

TAMPA ELECTRIC COMPANY P.O. BOX 111 TAMPA, FL 33601-0111

(813) 228-4111

Facility Name: Bayside Power Station EPA ID: 1000 0018 1607

RMP Report for Bayside Power Station

Section 1. Registration Information

1.1 Source Identification: Facility ID: 2

a. Facility Name: Bayside Power Station

b. Parent Company #1 Name: Tampa Electric Company

c. Parent Company #2 Name: Teco Energy Company

1.2 EPA Facility Identifier: 1000 0018 1607

1.3 Other EPA Systems Facility ID: 33619TMPLC3602P

1.4 Dun and Bradstreet Numbers (DUNS):

a. Facility DUNS:

b. Parent Company #1 DUNS: 006924286

c. Parent Company #2 DUNS: 048295869

1.5 Facility Location Address:

a. Street 1: 3602 Port Sutton Road

b. Street 2:

c. City: Tampa d. State: FL e. Zip: 33619 -

f. County: Hillsborough

Facility Latitude and Longitude:

g. Lat. (dd.dddddd): 27.905000 h, Long. (ddd.dddddd): -082.422500

i. Lat/Long Method: I2 Interpolation - Photo

j. Lat/Long Description: CE Center of Facility

k. Horizontal accuracy measure (m): 25

I. Horizontal Reference Datum Code: 002 North American Datum of 1983

m. Source Map Scale Number: 24000

1.6 Owner or Operator:

a. Name: Tampa Electric Company

b. Phone: (813) 228-1111

Mailing address:

c. Street 1: P.O. Box 111 d. Street 2:

e. City: Tampa f. State: FL g. Zip: 33601 -0111

EPA ID: 1000 0018 160	7		
1.7 Name and title of pers	son or po	sition responsible for par	t 68 (RMP) implementation:
a. Name of person:		Wade A. Maye	
b. Title of person or po	osition:	General Manager	
c. Email address:			
1.8 Emergency contact:			
a. Name:	Elena	Beitia	
b. Title:	Princi	pal Engineer	
c. Phone:	(813)	228-1111	
d. 24-hour phone:	(813)	266-8649	
e. Ext. or PIN:			
f. Email address:	eabei	tia@tecoenergy.com	
1.9 Other points of contact	ot:		
a. Facility or Parent Co	mpany E	-Mail Address:	
b. Facility Public Cont	act Phone	e:	(813) 228-1111
c. Facility or Parent Co	mpany V	WW Homepage Address	http://www.tampaelectric.com
1.10 LEPC: District 8	LEPC		
1.11 Number of full time e	mployees	s on site: 100	
1.12 Covered by:			
a. OSHA PSM:	Yes		
b. EPCRA 302:	Yes		
c. CAA Title V:	Yes	Air operating permit ID:	0570040-015-AC
1.13 OSHA Star or Merit R	anking:	No	
1.14 Last Safety Inspectio	n (by an E	External Agency) Date:	04/29/2004
1.15 Last Safety Inspectio	n Perform	ned by an External Agenc	y: State environmental agency
1.16 Will this RMP involve	predictiv	ve filing?: No	
1.18 RMP Preparer Inform	ation:		
a. Name:			
b. Telephone:			
c. Street1:			

Facility Name: Bayside Power Station

Facility Name: Bayside Power Station EPA ID: 1000 0018 1607

d. Street2:

e. City:

f. State:

g. ZIP:

Section 1.17 Process(es)

a. Process ID: 2

Program Level 3

SCR System for CT

b. NAICS Code

22111

Electric Power Generation

c. Process Chemicals

c.1 Process Chemical (ID / Name)

c.2 CAS Nr.

c.3 Qty (lbs.)

2 Ammonia (anhydrous)

7664-41-7

168,000

Section 2. Toxics: Worst Case

Toxics: Worst Case ID 1

2.1 a. Chemical Name:

Ammonia (anhydrous)

b. Percent Weight of Chemical (if in a mixture):

2.2 Physical State:

Gas Liquified by Pressure

2.3 Model used:

EPA's RMP*Comp(TM)

2.4 Scenario:

Liquid spill & Vaporization

2.5 Quantity released:

168,000 lb

2.6 Release rate:

16,800.0 lbs/min

2.7 Release duration:

10.0 mins

2.8 Wind speed:

1.5 m/sec

2.9 Atmospheric Stability Class:

2.10 Topography:

Rural -

2.11 Distance to Endpoint:

6.90 **mi**

2.12 Estimated Residential population within distance to endpoint:

218,375

2.13 Public receptors within distance to endpoint:

a. Schools:

Yes

d. Prisons/Correction facilities:

No

b. Residences:

Yes

e. Recreation areas:

Yes

c. Hospitals:

Yes

f. Major commercial, office or, industrial areas:

Yes

Facility Name: EPA ID:	Bayside Power S 1000 0018 1607	station						
	g. Other (Speci	fy):						
2.14 En	vironmental rece	ptors within	distance to endp	oint:				
	a. National or s	tate parks, fo	rests, or monum	ents:		No		
	b. Officially des	signated wild	life sanctuaries,	preserv	es, or refuges:	No		
	c. Federal wild	erness areas:	:			Yes		
	d. Other (Speci	fy):						
2.15 Pa	ssive mitigation o							
	a, Dikes:	Yes	d. Drains:	Yes				
	b. Enclosures:	No	e. Sumps:	Yes				
	c. Berms:	No	f. Other (Spe	cifv):	curbs			
2.16 Gra	aphic file name:		п отпол (оро	,,.				
uner , Marcol, 1864 - 1908ang, suumpeeliseorum cettooli	ов на хиворови синосингопросовии. Этом восущей хоти из	**************************************			de contratibilité de description de la contration de la c	600-38813061. \.,	volume of the Medium	٠
Sectio	n 3. Toxic	s: Alter	native Rei	ease		1011 of \$100 to 10		
Toxics: A	Iternative Rel	ease ID: 1						
3.1 a. C	hemical Name:	Ammonia (a	inhydrous)					
b. Perce	ent Weight of Che	emical (if in a	mixture):					
3.2 Phys	sical State:	Gas Liquifie	d by Pressure					
3.3 Mod	lei:	EPA's RMP	*Comp(TM)					
3.4 Sce	nario:	Transfer hos	se failure					
3.5 Qua	ntity released:		1,680 Ibs					
3.6 Rele	ease rate:		1680.0 Ibs/min					
3.7 Rele	ease duration:		1.0 mins					
3.8 Win	d speed:		3.0 m/sec					
3.9 Atm	ospheric Stability	Class:	F					
3.10 To	pography:	Rural						
3.11 Dis	tance to Endpoin	t:	0.70 mi					
3.12 Est	imated Residenti	al population	within distance	to endp	oint: 301			
3.13 Pul	olic receptors wit	hin distance	to endpoint:					
	a. Schools:	No	d. Prisons/Cor	rection f	acilities:		No	
	b. Residences:	No	e. Recreation a	reas:			No	
	c. Hospitals:	No	f. Major comm	ercial, o	ffice, or industrial are	as:	No	
	g. Other (Specif	y):						
3.14 Env	vironmental recep	otors within d	listance to endpo	oint:			·	
	a. National or st	ate parks, fo	rests, or monum	ents:		No		
	b. Officially des	ignated wildl	ife sanctuaries, p	oreserve	s, or refuges:	No		

c. Federal wilderness areas:

No

Facility Name: Bayside Power Station EPA ID: 1000 0018 1607 d. Other (Specify): 3.15 Passive mitigation considered: Yes a. Dikes: Yes d. Drains: Νo b. Enclosures: No e. Sumps: c. Berms: f. Other (Specify): curbs 3.16 Active mitigation considered: No a. Sprinkler systems: Yes f. Flares: b. Deluge system: g. Scrubbers: Nο c. Water curtain: h. Emergency shutdown systems: Yes i. Other (Specify): d. Neutralization: Nο Yes e. Excess flow valve:

Section 4. Flammables: Worst Case --- No Data To Report

Section 5. Flammables: Alternative Release --- No Data To Report

Section 6. Accident History --- No Data To Report

Section 7. Prevention Program 3

Process ID:

2

3.17 Graphic file name:

SCR System for CT

Prevention Program ID:

Prevention Program Description:

This process includes two ammonia storage tanks present in the selective catalytic reduction (SCR) system for the Natural Gas-Fired Combined Cycle Gas Turbines. The anhydrous ammonia will be used in the SCR system process along with dry low-NOx (DLN) combustion technology to reduce NOx emissions. Everything in this prevention program applies to

both ammonia storage tanks.

7.1 NAICS Code

22111

7.2 Chemicals

Chemical Name

Ammonia (anhydrous)

7.3 Date on which the safety information was last reviewed or revised:

02/24/2003

7.4 Process Hazard Analysis (PHA):

a. Date of last PHA or PHA update:

02/05/2003

b. The technique used:

What If:

Yes

Failure Mode and Effects Analysis:

No

Checklist:

No

Fault Tree Analysis:

No

EPA ID: 1000 0018 1607 What If/Checklist: No Other (Specify): HAZOP: Yes c. Expected or actual date of completion of all changes from last PHA or PHA update: d. Major hazards identified: No Yes Toxic release: Contamination: Yes Equipment failure: Yes Fire: Explosion: Nο Loss of cooling, heating, electricity, instrument air: Yes Runaway reaction: No Earthquake: No Floods (flood plain): No Polymerization: Nο Overpressurization: Tornado: No Yes Yes Corrosion: Yes Hurricanes: Overfilling: No Other (Specify): e. Process controls in use: Vents: Yes Emergency air supply: No Relief valves: Yes Emergency power: No Check valves: Yes Backup pump: No Nο Grounding equipment: Yes Scrubbers: Flares: Nο Inhibitor addition: Nο Manual shutoffs: Yes Rupture disks: No Automatic shutoffs: Yes Excess flow device: Yes Interlocks: Quench system: Yes Yes Yes Purge system: Yes Alarms and procedures: Keyed bypass: No No None: Other (Specify): f. Mitigation systems in use: Water curtain: Sprinkler system: Yes No Dikes: Yes Enclosure: No Fire walls: No Neutralization: No Blast walls: No None: No Deluge system: Yes Other (Specify): g. Monitoring/detection systems in use: Yes None: No Process area detectors: Perimeter monitors: Other (Specify): Yes

Facility Name: Bayside Power Station

h. Changes since last PHA or PHA update:

Facility Name: Bayside Power Station EPA ID: 1000 0018 1607

Reduction in chemical inventory: No Installation of perimeter monitoring systems:

Increase in chemical inventory: No Installation of mitigation systems: No

Change process parameters: No None recommended: No

Installation of process controls: No None: Yes

Installation of process detection systems: No Other (Specify):

7.5 Date of most recent review or revision of operating procedures: 02/24/2003

7.6 Training:

a. The date of the most recent review or revision of training programs: 02/24/2003

b. The type of training provided:

Classroom: Yes On the job: Yes Other (Specify):

c. The type of competency testing used:

Written test: No Observation: Yes

Oral test: Yes Other (Specify):

Demonstration: Yes

7.7 Maintenance:

a. The date of the most recent review or revision of maintenance procedures: 02/05/2003

b. The date of the most recent equipment inspection or test: 02/24/2003

c. Equipment most recently inspected or tested : Whole System

7.8 Management of change:

a. The date of the most recent change that triggered management of 02/28/2003 change procedures:

b. The date of the most recent review or revision of management of change procedures: 02/05/2003

7.9 The date of the most recent pre-startup review:

01/31/2003

No

7.10 Compliance audits:

a. The date of the most recent compliance audit:

b. Expected date of completion of all changes resulting from the compliance audit:

7.11 Incident investigation:

a. The date of the most recent incident investigation (if any):

b. Expected or actual date of completion of all changes resulting from the investigation:

7.12 The date of the most recent review or revision of employee participation plans: 02/24/2003

7.13 The date of the most recent review or revision of hot work permit procedures: 03/01/2002

7.14 The date of the most recent review or revision of contractor safety procedures: 10/01/2002

Facility Name: Bayside Power Station

EPA ID:

1000 0018 1607

7.15 The date of the most recent evaluation of contractor safety performance:

02/01/2003

Section 8. Prevention Program 2 --- No Data To Report

Section 9. Emergency Response

9.1 Written Emergency Response (ER) Plan:

a. Is facility included in written community emergency response plan? Yes

b. Does facility have its own written emergency response plan? Yes

9.2 Does facility's ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?

Yes

9.3 Does facility's ER plan include procedures for informing the public and local agencies responding to accidental releases?

and local agencies responding to accidental releases?

Yes

9.5 Date of most recent review or update of facility's ER plan: 02/13/2003

9.6 Date of most recent ER training for facility's employees: 02/26/2003

9.7 Local agency with which facility's ER plan or response activities are coordinated:

a. Name of agency: Hillsborough Fire & Rescue Dept.

9.4 Does facility's ER plan include information on emergency heath care?

b. Telephone number: (813) 272-6600

9.8 Subject to:

a. OSHA Regulations at 29 CFR 1910.38:

b. OSHA Regulations at 29 CFR 1910.120: Yes

c. Clean Water Act Regulations at 40 CFR 112:

d. RCRA Regulations at 40 CFR 264, 265, and 279.52:

e. OPA-90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254: No

f. State EPCRA Rules/Law: Yes

g. Other (Specify):

Executive Summary

Attached File Name: ExecSumm.txt

Facility Name: Bayside Power Station EPA ID: 1000 0018 1607

Tampa Electric Company (TEC) is an investor-owned electric utility, which serves an area of about 2,000 square miles in West-Central Florida, including Hillsborough County and portions of Polk, Pasco, and Pinellas Counties. In addition to other generating facilities, TEC owns and operates the F.J. Gannon Station located on Tampa's Port Sutton Road in Hillsborough County, Florida.

TEC is re-powering the existing coal-fired Gannon Station. The repowered station will be natural-gal fired and will be known as the Bayside Power Station (BPS). BPS will be comprised of two combined-cycle units. Unit 1 will consist of three General Electric Model PG7241(FA) combustion turbines, three Heat Recovery Steam Generators (HRSG) and one repowered steam turbine generator. Unit 2 will consist of four General Electric Model PG7241(FA) combustion turbines, four Heat Recovery Steam Generators (HRSG) and one repowered steam turbine generator. The repowered plant will have a nominal capacity of approximately 1750 MW (approximately 750 MW from Unit 1 and approximately 1000 MW from Unit 2). Steam from Unit 1's three new combined-cycle units will re-power existing Gannon steam-electric turbine Unit No. 5, which has a nameplate rating of 239 MW. Steam from Unit 2's four new combined-cycle units will re-power existing Gannon steam-electric turbine Unit No. 6, which has a nameplate rating of 414 MW.

All of the existing six coal-fired boilers at Gannon will be shut down before January 1, 2005. The overall thermal efficiency of the plant is predicted to increase from approximately 30% to 55%. It is estimated that the Bayside project will reduce actual emissions of nitrogen oxides (NOx) by more than 28,000 tons per year, particulate matter (PM/PM10) by more than 900 tons per year, and sulfur dioxide (SO2) by more than 50,000 tons per year. The project results in smaller increases in emissions of carbon monoxide (CO) (605 tons per year) and volatile organic compounds (VOC) (64 tons per year).

The BPS natural gas-fired combined cycle combustion turbines will use dry low-NOx (DLN) combustion technology to reduce NOx emissions. The HRSGs have selective catalytic reduction (SCR) systems installed to further reduce NOx emissions. The SCR system will consist of an ammonia injection grid, catalyst, ammonia storage, a monitoring and control system, electrical system, piping, and other ancillary equipment. The SCR system shall be designed to reduce NOx emissions by reacting ammonia (NH3) with exhaust gas NOx to yield nitrogen and water vapor in the presence of a catalyst, while minimizing ammonia slip within the permitted levels.

The requirements of the chemical accident release prevention rule (40 CFR Part 68) apply to the anhydrous ammonia present in the SCR system process. Under the threshold determination criteria, if a regulated substance is present in a process in a quantity of 10,000 pounds or more of the substance, TEC must address the risks posed by the regulated substance in the applicable process. The SCR system contains two ammonia storage tanks with a total capacity of 98,824 pounds of anhydrous ammonia each, and a minimum and maximum operating level of 5,000 and 84,000 pounds of anhydrous ammonia, respectively. Since the total capacity of the two tanks (maximum operating level) of 168,000 pounds of anhydrous ammonia is greater than the threshold trigger of 10,000 pounds, the SCR system process is subject to the chemical accident prevention rule.

An offsite consequence analysis was conducted for the ammonia in the SCR system process using EPA's RMP*Comp electronic program, based on the EPA's Offsite Consequence Analysis Guidance document. Any releases would be controlled using administrative controls that limit the quantity of ammonia released. The ammonia storage area also has designed mitigation systems, which consist of sumps, drains, and dikes to contain releases of ammonia along with a sprinkler and deluge system to absorb ammonia vapor in case of a release.

Bayside Power Station is committed to the safety to its employees and neighboring community. This commitment is based on established health and safety policies and procedures. These procedures are complemented by personal training, safety drills, and facility inspections. A process safety management (PSM) program has been implemented at Bayside Power Station, which includes provisions for management of the storage and handling of anhydrous ammonia system process hazards. The PSM program includes evaluations of process design, process technology, operational and maintenance activities and procedures, emergency preparedness plans and procedures, training programs, and other elements which impact the process. With a combination of appropriate safety design measures, preventiative maintenance programs, and development and implementation of proper safety procedures, Bayside Power Station manages the risk associated with ammonia handling at the facility. Currently there are no reportable accidents related to ammonia releases, within the last five years.

In the event of an emergency at the facility, emergency response has been coordinated with local emergency response organization, Hillsborough Fire & Rescue Department. Several meetings and walk-downs of the ammonia storage system have been coordinated with the Hillsborough Fire & Rescue Department to discuss

Facility Name: Bayside Power Station EPA ID: 1000 0018 1607

TEC's coordination with local emergency responders to react to emergencies resulting from fire, explosion, or releases of store ammonia. In addition, Bayside Power Station has established and implemented a PSM emergency response plan in the event of an accidental hazardous materials release, natural hazards, or other potential emergencies. The plan addresses potential emergencies identified by a facility-wide risk analysis conducted by a team of environmental professionals, health and safety specialists, and Bayside Power Station personnel. The plan identifies specific responsibilities and procedures to be followed by all facility personnel following an accident or impending emergency to maximize employee and community safety. TEC has also coordinated to immediately contact the National Response Center, as well as the SERC and the LEPC, if 100 pounds or more of ammonia are released.

RMP Validation Errors/Warnings --- No Data To Report

REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT

TAMPA ELECTRIC COMPANY H. L. CULBREATH BAYSIDE POWER STATION

REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT

The following items list the requested changes to the current FINAL Title V Air Operation Permit 0570040-017-AV, which was administratively revised under 0570040-020-AV:

- 1. Revise the plant name from F.J. Gannon Station to H.C. Culbreath Bayside Power Station.
- 2. Delete the following emissions units:
 - EU-001 through EU-006—Units No. 1 through 6 Fossil Fuel-Fired Steam Generators.*
 - EU-007—Combustion Turbine No. 1.
 - EU-009—Unit 4 Economizer Ash Silo with Baghouse.
 - EU-010—Units 5 and 6 Fly Ash Silo No. 1 with Baghouse.
 - EU-011—Units 1 through 4 Fly Ash Silo with Baghouse (Fly Ash Silo No. 2).
 - EU-012—Pugmill and Truck Loading.
 - EU-013 through EU-018—Units No. 1 through 6 Fuel Bunker with Roto-Clone.
- 3. Delete process flow points FH-024 through FH-043 and AH-003 through AH-005 from Emissions Units 008, Fuel Yard. (These flow points represent coal storage, transfer and handling activities associated solely with the operation of Units 1-6 Steam Generators).

EU-001 through EU-006 must be shut down before January 1, 2005, in accordance with Air Construction Permit No. 0570040-015-AC.

ATTACHMENT 11 FUEL ANALYSIS OR SPECIFICATION

TAMPA ELECTRIC COMPANY H.L. CULBREATH BAYSIDE POWER STATION

TYPICAL NATURAL GAS COMPOSITION

Component	Mole Percent (by volume)
Gas Composition	
Hexane+	0.018
Propane	0.190
I-butane	0.010
N-butane	0.007
Pentane	0.002
Nitrogen	0.527
Methane	96.195
CO_2	0.673
Ethane	2.379
Other Characteristics	
Heat content (HHV)	1,020 Btu/ft ³ with 14.73 psia, dry
Real specific gravity	0.5776
Sulfur content (maximum)	2.0 gr/100 scf

Note:

 $Btu/ft^3 = British thermal units per cubic foot.$

psia = pounds per square inch absolute.

 $gr/100 \text{ scf} = grains per 100 standard cubic foot.}$

Source: TEC, 2004.

ATTACHMENT 12 DETAILED DESCRIPTION OF CONTROL EQUIPMENT

TAMPA ELECTRIC COMPANY H.L. CULBREATH BAYSIDE POWER STATION

NITROGEN OXIDES CONTROL SYSTEM DESCRIPTION SELECTIVE CATALYTIC REDUCTION

Selective catalytic reduction (SCR) technology is used to control NO_x emissions from Bayside Units 1 and 2. SCR reduces NO_x emissions by reacting ammonia (NH₃) with exhaust gas NO_x to yield nitrogen and water vapor in the presence of a catalyst. NH₃ is injected upstream of the catalyst bed where the following primary reactions take place:

$$4NH_3 + 4NO + O_2 \rightarrow 4N_2 + 6H_2O$$
 (1)

$$4NH_3 + 2NO_2 + O_2 \rightarrow 3N_2 + 6H_2O$$
 (2)

The catalyst serves to lower the activation energy of these reactions, which allows the NO_x conversions to take place at a lower temperature (i.e., in the range of 600 to 750°F). Typical SCR catalysts include metal oxides (titanium oxide and vanadium), noble metals (combinations of platinum and rhodium), zeolite (alumino-silicates), and ceramics.

Reaction temperature is critical for proper SCR operation. The optimum temperature range for conventional SCR operation is 600 to 750°F. Below this temperature range, reduction reactions (1) and (2) will not proceed. At temperatures exceeding the optimal range, oxidation of NH₃ will take place resulting in an increase in NO_x emissions. Due to these temperature constraints, the SCR catalyst modules are located in the appropriate section of the HRSGs where temperatures are suitable for proper SCR operation.

A NH_3 injection grid is located in the HRSG downstream of the high-pressure steam drum and upstream of the SCR catalyst modules. This injection grid is utilized to inject anhydrous ammonia into the CT exhaust stream. The NH_3 and NO_x (i.e., NO and NO_2) in the exhaust stream is then adsorbed on the surface of the SCR catalyst and react catalytically to form N_2 and H_2O per reactions (1) and (2) above. The N_2 and H_2O formed is subsequently desorbed and discharged to the atmosphere with the CT exhaust stream.

TAMPA ELECTRIC COMPANY H.L. CULBREATH BAYSIDE POWER STATION

NITROGEN OXIDES CONTROL SYSTEM DESCRIPTIONS

The reaction of NO_x with NH₃ theoretically requires a 1:1 molar ratio. NH₃/NO_x molar ratios greater than 1:1 are necessary to achieve high-NO_x removal efficiencies due to imperfect mixing and other reaction limitations. However, NH₃/NO_x molar ratios are typically maintained at 1:1 or lower to prevent excessive unreacted NH₃ (ammonia slip) emissions. The Bayside Units 1 and 2 SCR control systems are designed to achieve a target ammonia slip rate of no more than 5.0 ppmvd at 15 percent O₂. If the ammonia slip concentration exceeds 5.0 ppmvd at 15 percent O₂, additional ammonia slip testing will be taken in accordance with the additional ammonia slip testing requirements specified in Condition No. 24 of FDEP Project No. 0570040-013-AC, Air Permit No. PSD-FL-301. Corrective action will be taken prior to the ammonia slip exceeding 7.0 ppmvd at 15 percent O₂ in accordance this permit condition.

ATTACHMENT 13 PROCEDURES FOR STARTUP AND SHUTDOWN

TAMPA ELECTRIC COMPANY H. L. CULBREATH BAYSIDE POWER STATION

PROCEDURES FOR STARTUP & SHUTDOWN OF THE COMBUSTION TURBINES

A. STARTUP

- 1. The unit is started with the load commutating inverter and brought to 850rpms for a 5-minute purge.

 Approximately 7 minutes
- 2. The unit is fired and brought to synchronous speed. Approximately 10 minutes
- 3. The generator breaker closes automatically and the unit is brought to 35MW for the fuel gas performance heater to warm up to operating temperature.

Approximately 3 to 5 minutes

- 4. The selective catalytic reduction (SCR) system is placed in service when the exhaust gas temperature reaches 446°F

 Approximately 15 to 45 minutes
- 5. Once the fuel gas temperature from the performance heater approaches 320°F begin to increase the load to 110MW and put the unit on automatic governor control.

 Approximately 5 to 10 minutes

B. SHUTDOWN

- 1. The unit is taken off automatic governor control. Approximately 1 minute
- 2. Initiate the stop command on the CT. The unit will ramp down to full speed no load, the generator breaker will open, and the unit will roll down to turning gear.

 Approximately 10 minutes

ATTACHMENT 14 CERTIFICATION OF REPRESENTATION

ATTACHMENT 15 ACID RAIN PART APPLICATION

Acid Rain Program

Instructions for Acid Rain Part Application

(40 CFR 72.30 - 72.31 and Rule 62-214.320, F.A.C.)

The Acid Rain Program requires the designated representative to submit an Acid Rain part application for each source with an Acid Rain unit. A complete Certificate of Representation must be received by EPA <u>before</u> the part application is submitted to the title V permitting authority. A complete Acid Rain part application, once submitted, is binding on the owners and operators of the Acid Rain source and is enforceable in the absence of an Acid Rain part until the title V permitting authority either issues an Acid Rain part to the source or disapproves the application.

Please type or print. The alternate designated representative may sign in lieu of the designated representative. If assistance is needed, contact the title V permitting authority.

- STEP 1 Use the plant name and ORIS Code listed on the Certificate of Representation for the plant. An ORIS code is a 4 digit number assigned by the Energy Information Agency (EIA) at the U.S. Department of Energy to power plants owned by utilities. If the plant is not owned by a utility but has a 5 digit facility code (also assigned by EIA), use the facility code. If no code has been assigned or if there is uncertainty regarding what the code number is, contact EIA at (202) 287-1730 (for ORIS codes), or (202) 287-1927 (for facility codes).
- STEP 2 For column "a," identify each Acid Rain unit at the Acid Rain source by providing the appropriate unit identification numbers, consistent with the unit identification numbers entered on the Certificate of Representation and with unit identification numbers used in reporting to DOE and/or EIA. For new units without identification numbers, owners and operators may assign such numbers consistent with EIA and DOE requirements.

For columns "c" and "d," enter the commence operation date(s) and monitor certification deadline(s) for new units in accordance with 40 CFR 72.2 and 75.4, respectively.

Submission Deadlines

For new units, an initial Acid Rain part application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid rain part renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional acid rain contact, or call EPA's Acid Rain Hotline at (202) 564-9620.

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

Effective: 06/16/03

Acid Rain Part Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31 and Chapter 62-214, F.A.C.

This submission is: X New

☐ Revised

STEP 1 Identify the source by plant name, State, and ORIS code

Plant Name	Bayside Power Station	State	FL	ORIS Code	7873	

STEP 2

Enter the unit ID# for every Acid Rain unit at the Acid Rain source in column "a." For new units, enter the requested information in columns "c" and "d."

С Unit ID# **New Units** Unit will **New Units** hold allowances in accordance with 40 CFR Commence Monitor 72.9(c)(1) Operation Date Certification Deadline

CT1A	Yes	03/01/03	06/01/03
CT1B	Yes	03/01/03	06/01/03
CT1C	Yes	03/01/03	06/01/03
CT2A	Yes	01/01/04	04/01/04
СТ2В	Yes	01/01/04	04/01/04
CT2C	Yes	01/01/04	04/01/04
CT2D	Yes	01/01/04	04/01/04
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DEP Form No. 62-210:900(1)(a) - Form

Effective: 06/16/03

Bayside Power Station

Plant Name (from Step 1)

STEP 3 Read the standard requirements

Acid Rain Part Requirements

- (1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Submit a complete Acid Rain part application (including a compliance plan) under 40 CFR part 72 and Rules 62-214.320 and 330, F.A.C., in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
 - (ii) Submit in a timely manner any supplemental information that the Department determines is necessary in order to review an Acid Rain part application and issue or deny an Acid Rain part;
- (2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain part application or a superseding Acid Rain part issued by the Department; and
 - (ii) Have an Acid Rain Part.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75, and Rule 62-214.420, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each Acid Rain unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another Acid Rain unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
- (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain part application, the Acid Rain part, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on sile at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the EPA or the Department:
 - (i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply;
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

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Plant Name (from Step 1)

Recordkeeping and Reporting Requirements (cont)

- (iv) Copies of all documents used to complete an Acid Rain part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain part application, an Acid Rain part, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.
- (6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 75, 76, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities.

No provision of the Acid Rain Program, an Acid Rain part application, an Acid Rain part, or an exemption under 40 CFR 72.7or 72.8 shall be

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification STEP 4

Read the certification statement, sign, and date

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or ornitting required statements and information, including the possibility of fine or imprisonment.

Gregory M. Nelson	
Name	
Signature Huyoy M. Mule	Date 6/20/04

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Effective: 06/16/03



Certificate of Representation

Page 1

For more information, see instructions and refer to 40 CFR 72.24

This submission is: X New Revised (revised submissions must be complete; see instructions)

STEP 1 Identify the source by plant name, State, and ORIS Code.

STEP 2 Enter requested information for the designated representative.

Bayside Power Station	FL	7873
Plant Name	State	ORIS Code

Gregory M. Nelson, P.E.	
Address	
P.O. Box 111 Tampa, Florida 3301	
(813) 228-1763 Phone Number	(813) 228-1308 Fax Number
gmnelson@tecoenergy.com E-mail address (if available)	

STEP 3 Enter requested information for the alternate designated representative, if applicable.

Laura R. Crouch		
(813) 228-4104 Phone Number	(813) 228-1308 Fax Number	
Ircrouch@tecoenergy.com E-mail address (if available)		

STEP 4: Complete Steps 5 and 6, read the certifications, sign and date.

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the affected source and each affected unit at the source.

I certify that I have given notice of the agreement, selecting me as the 'designated representative' for the affected source and each affected unit at the source identified in this certificate or representation, in a newspaper of general circulation in the area where the source is located or in a State publication designed to give general public notice.

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and of each affected unit at the source and that each such owner and operator shall be fully bound by my actions, inactions, or submissions.

I certify that I shall abide by any fiduciary responsibilities imposed by the agreement by which I was selected as designated representative or alternate designated representative, as applicable.

I certify that the owners and operators of the affected source and of each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under life-of-the-unit, firm power contractual arrangements, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the affected source and of each affected unit at the source; and

Allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement or, if such multiple holders have expressly provided for a different distribution of allowances by contract, that allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

The agreement by which I was selected as the alternate designated representative, if applicable, includes a procedure for the owners and operators of the source and affected units at the source to authorize the alternate designated representative to act in lieu of the designated representative.

	Bayside	Power Stat	ion				Certificate - Page 2
	Plant Name (Pa	ge 2 of 2
I am authorized to make this sub submission is made. I certify unde submitted in this document and a information, I certify that the state aware that there are significant per including the possibility of fine or in	er penalty of la Il its attachme ements and in enalties for sul	aw that I have ents. Based on formation are bmitting false s	personally example my inquiry of to the best of r	imined, and an those individua ny knowledge	n familiar with, als with primary and belief true	the statements responsibility accurate, and	and information for obtaining the I complete. I am
		esignated repres	7///	gon M.	Mlle_	Date (a)	30/04
	Signature (all	ternate designat	ed representative	yeh Ce	nca	Date /30	104
STEP 5 Provide the name of every owner and	Tampa F	Electric Cor	npnay			X Owner	X Operator
operator of the source and identify each affected unit they own and/or operate.	CT1A	CT1B	CT1C	CT2A	CT2B	CT2C	CT2D
	ID#	ID#	ID#	ID#	ID#	ID#	ID#
	5.4						
	Name					Owner [Operator
	ID#	ID#	1D#	1D#	ID#	ID#	ID#
	ID#	ID#	ID#	ID#	ID#	ID#	ID#
	Name		-1		- 	Owner [Operator
	ID#	ID#	ID#	ID#	ID#	ID#	ID#
	ID#	ID#	ID#	ID#	ID#	ID#	ID#
STEP 6							 1
For any new affected units listed at STEP 5 that have not	ID#	Projected Commence Commercial Operation Date:					
commenced commercial operation, enter the projected date on which the unit	ID#	Projected Cor	mmence Comme	ercial Operation	Date:		

Projected Commence Commercial Operation Date:

Projected Commence Commercial Operation Date:

ID#

ID#

is expected to

operation.

commence commercial