

TAMPA ELECTRIC

April 12, 2002

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APR 15 2002

BUREAU OF AIR REGULATION

Mr. Scott M. Sheplak, P.E. Florida Department of Environmental Protection Division of Air Resource Management 111 South Magnolia Drive, Suite 4 Tallahassee, Florida 32301 Via FedEx Airbill No. 7920 1615 5487

Re:

Tampa Electric Company (TEC)

F.J. Gannon Station

Unit Nos. 1, 2, 3, & 4 Wood Derived Fuel Title V Modification Application FDEP File Nos. 0570040-011-AC, 0570040-012-AC, 0570040-002-AV

Project no.: 0570040-017-AL

Dear Mr. Sheplak:

Please find enclosed four signed and sealed copies of a completed Title V Permit Modification Application requesting to modify Title V Final Permit No. 0570040-002-AV as referenced on the February 12, 2002 letter. This modification will allow TEC to continue combustion of a coal and wood-derived fuel (WDF) blend in Units 1, 2, 3, and 4 at the F.J. Gannon Station currently governed by Final Permit No. 0570040-011-AC and 0570040-012-AC. WDF in these permits can be composed of paper pellets, yard trash, and wood/wood chips.

If you have any questions, please feel free to telephone me at (813) 641-5261.

Sincerely,

Raiza Calderon

Engineer - Air Programs
Environmental Affairs

EA\gm\RC120

Enclosure

c/enc: Mr. Jerry Campbell, EPCHC

Mr. Clair Fancy, FDEP

Mr. Jerry Kissel - FDEP SW

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

#### INTRODUCTION

Tampa Electric Company (TEC) operates six, solid fuel-fired steam boilers (Units Nos. 1 through 6) at the F. J. Gannon Station located at Port Sutton Road, Tampa, Hillsborough County, Florida. Operation of the existing steam boilers is currently authorized by Title V Final Permit No. 0570040-002-AV was issued with an effective date of January 1, 2001 and expires on December 31, 2004.

TEC previously submitted construction permit applications to the Florida Department of Environmental Protection (FDEP) requesting approval to combust wood-derived fuels (WDF) in Units 1 through 4. In response to these applications, the Department issued Final Permit No. 0570040-011-AC (for Unit 3) and Final Permit No. 0570040-012-AC (for Units 1, 2, and 4). Final Permit No. 0570040-011-AC was issued on March 7, 2000 with an expiration date of February 28, 2002. Final Permit No. 0570040-012-AC was issued on August 22, 2001 with an expiration date of July 5, 2002. In response to a request by TEC, the Department extended the expiration date of Final Permit No. 0570040-011-AC to July 5, 2002 consistent with the expiration date of Final Permit No. 0570040-012-AC; reference the Department's letter to TEC dated February 21, 2002.

As required by Final Permit No. 0570040-011-AC, performance testing was conducted during April 18 – 28, 2000. The emissions performance testing demonstrated that F.J. Gannon Station Unit 3 was operating in compliance with permit limits for particulate, sulfuric acid mist, sulfur dioxide (SO2), nitrogen oxides (NOx), opacity, volatile organic compounds (VOC's) and visible emissions. A report of the performance testing was submitted to the Department on June 14, 2000.

This permit application, using DEP Form No. 62-210.900(1), Application for Air Permit – Title V Source, constitutes TEC's application to revise Title V Final Permit No. 0570040-002-AV to include the terms of Construction Permit No. 0570040-011-AC and Construction Permit No. 0570040-012-AC. The Department's Application for Air Permit – Title V Source follows this introduction. Copies of Construction Permit No. 0570040-011-AC and Construction Permit No. 0570040-012-AC are also included.

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## Department of Environmental Protection

**Division of Air Resources Management** 

#### APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

1. APPLICATION INFORMATION

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:::::::**::** 

Ident	ification	of Facil	ity

1.	Facility Owner/Company Name:	Tampa	Electi	ic Compan	ıy
2.	Site Name: F.J. Gannon Power	Station			
3.	Facility Identification Number: (	0570040			[ ] Unknown
4.	Facility Location:				
	Street Address or Other Locator:	Port Su	tton I	Road	
	City: Tampa	County:	Hills	borough	Zip Code: <b>33619</b>
5.	Relocatable Facility?		6.	Existing Pe	ermitted Facility?
	[ ] Yes [ •] No			[ •] Yes	[ ] No
<u>Ap</u>	plication Contact				
1.	Name and Title of Application C Raiza Calderon Engineer, Environmental Affai				
2.	Application Contact Mailing Add Organization/Firm: <b>Tampa Elec</b>		npany		
	Street Address: 6499 U.S. H	lighway 4	41 No	rth	
	City: Apollo Beac	eh S	tate:	FL	Zip Code: 3572-9200
3.	Application Contact Telephone N	lumbers:			
	Telephone: (813)641 – 5261			Fax: (813)	641-5081
<u><b>A</b></u> p	plication Processing Informatio	n (DEP U	Jse)		
1.	Date of Receipt of Application:				
2.	Permit Number:				
3.	PSD Number (if applicable):				-
4.	Siting Number (if applicable):				

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

#### **Purpose of Application**

#### Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one) Initial Title V air operation permit for an existing facility which is classified as a Title V source. Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source. Current construction permit number: [ / ] Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application. Current construction permit number: 0570040-011-AC and 0570040-012-AC Operation permit number to be revised: 0570040-002-AV Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.) Operation permit number to be revised/corrected: Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal. Operation permit number to be revised: \_\_\_\_\_ Reason for revision: Air Construction Permit Application This Application for Air Permit is submitted to obtain: (Check one) Air construction permit to construct or modify one or more emissions units.

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

Effective: 2/11/99

Air construction permit to make federally enforceable an assumed restriction on the

Air construction permit for one or more existing, but unpermitted, emissions units.

potential emissions of one or more existing, permitted emissions units.

#### Owner/Authorized Representative or Responsible Official

1.	Name and T	itle of Owner/Au	thorized Repre	esentative or Resp	onsible Official:

Karen Sheffield, General Manager - F.J. Gannon Station

2. Application Contact Mailing Address:

Organization/Firm: Tampa Electric Company

Street Address:

Port Sutton Road

City:

Tampa

State: FL

Zip Code: 33619

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:

Telephone: (813) 228-1111, Ext. 35300

Fax: (813) 641-5566

4. Owner/Authorized Representative or Responsible Official Statement:

I, the undersigned, am the owner or authorized representative \*(check here [], if so) or the responsible official (check here [ ], if so) of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. 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 any permitted emissions unit.

Koren Sheffield

4/11/02

Signature

Date

#### **Professional Engineer Certification**

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

3. Professional Engineer Telephone Numbers:

Telephone: (352) 332-0444

Fax: (352) 332-6722

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<sup>\*</sup> Attach letter of authorization if not currently on file.

#### 4. 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.

If the purpose of this application is to obtain a Title V source air operation permit (check here  $[ \checkmark ]$ , 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 schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ], 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.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision 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 Signature

4/1º/02

\* Awach any exception to certification statement.

### Scope of Application

Emissions		Permit	Processing
Unit ID	Description of Emissions Unit	Туре	Fee
001	Unit No. 1, Solid Fuel Steam Generator	N/A	N/A
002	Unit No. 2, Solid Fuel Steam Generator	N/A	N/A
003	Unit No. 3, Solid Fuel Steam Generator	N/A	N/A
004	Unit No. 4, Solid Fuel Steam Generator	N/A	N/A

## **Application Processing Fee**

Check one: [ ] Attached - Amount: \$	[ 🗸 ]	Not Applicable
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#### Construction/Modification Information

1. Description of Proposed Project or Alterations:
TEC is presently authorized to combust coal/wood derived fuel (WDF) blends in F.J. Gannon Station Unit 3 pursuant to FDEP Permit No. 0570040-011-AC and in Units 1, 2 and 4 pursuant to FDEP Permit No. 0570040-012-AC. As required by these construction permits, this application requests a revision to the F.J. Gannon Station Title V Permit 0570040-002-AV to incorporate the terms of the Units 1 through 4 construction permits.
2. Projected or Actual Date of Commencement of Construction: N/A
3. Projected Date of Completion of Construction: N/A
Application Comment

DEP Form No. 62-210.900(1) - Form Effective: 2/11/99

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#### II. FACILITY INFORMATION

#### A. GENERAL FACILITY INFORMATION

## **Facility Location and Type**

1.	. Facility UTM Coordinates:					
	Zone: 17	East (km	: 360.00	North (km): 3,087.50		
2.	•	-				
	Latitude (DD/MM/	SS):	Longitude (DD/	'MM/SS):		
3.	Governmental	4. Facility Status	5. Facility Major	6. Facility SIC(s):		
	Facility Code:	Code:	Group SIC Cod			
	0	1.1 <u>A</u>	49	4911		
7.	Facility Comment (	limit to 500 characters)				

#### **Facility Contact**

1.	Name and Title of	Facility Contact:			
	Elena Beitia, Envi	ronmental Coordina	tor		
2.	Facility Contact Ma	ailing Address:			
	Organization/Firm: Tampa Electric Company				
	Street Address: Port Sutton Road				
	City:	Tampa	State: FL	Zip Code: <b>33619</b>	
3.	Facility Contact Te	lephone Numbers:			
	Telephone: (813)	641-5495	Fax: <b>(81</b>	3) 641-5566	

#### **Facility Regulatory Classifications**

#### Check all that apply:

1. [ ] Small Business Stationary Source?	[ ] Unknown
2. [ ] Major Source of Pollutants Other than Hazardous A	ir Pollutants (HAPs)?
3. [ ] Synthetic Minor Source of Pollutants Other than HA	APs?
4. [ ] Major Source of Hazardous Air Pollutants (HAPs)?	
5. [ ] Synthetic Minor Source of HAPs?	
6. [ •] One or More Emissions Units Subject to NSPS?	
7. [ ] One or More Emission Units Subject to NESHAP?	
8. [ ] Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200	characters):

#### List of Applicable Regulations

Previously submitted – see Title V permit application.	

#### **B. FACILITY POLLUTANTS**

## List of Pollutants Emitted

1. Pollutant	2.	3. Requested En	missions Cap	4. Basis for	5. Pollutant
Emitted	Polluta nt	lb/hour tons/year		Emissions Cap	Comment
	Classif		,		
NOX	A	N/A	N/A	N/A	
SO2	A	N/A	N/A	N/A	
со	<u>A</u>	N/A	N/A	N/A	
PM10	A	N/A	N/A	N/A	
PM	A	N/A	N/A	N/A	
SAM	A	N/A	N/A	N/A	
voc	A	N/A	N/A	N/A	
PB	В	N/A	N/A	N/A	
HAPS	À	N/A	N/A	N/A	
H106 (HCl)	A	N/A	N/A	N/A	
H107 (HF)	A	N/A	N/A	N/A	
		,			

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

#### C. FACILITY SUPPLEMENTAL INFORMATION

#### **Supplemental Requirements**

1.	Area Map Showing Facility Location:		
	[ ] Attached, Document ID:	[	] Not Applicable [ > ] Waiver Requested
2	Facility Plot Plan:		
۷٠	Attached, Document ID:	ſ	Not Applicable [ ✓] Waiver Requested
	[ ] Attached, Document ID.	L	] Not Applicable [ * ] Walver Requested
3.	Process Flow Diagram(s):		
	[ ] Attached, Document ID:	[	] Not Applicable [ > ] Waiver Requested
4.	Precautions to Prevent Emissions of Un	icon	ifined Particulate Matter:
	[ ] Attached, Document ID:	]	] Not Applicable [ ~] Waiver Requested
5.	Fugitive Emissions Identification:		
	[ ] Attached, Document ID:	_ [	] Not Applicable [ •] Waiver Requested
6.	Supplemental Information for Construc	tion	Permit Application:
	[ ] Attached, Document ID:	[ •	✓] Not Applicable
7.	Supplemental Requirements Comment:		
	Items 1, 2, 3, 4, and 5 above previous Title V permit application.	sly s	submitted - see F.J. Gannon Station
			·

#### Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities:
[ ] Attached, Document ID: [ ] Not Applicable
[ ] Mached, Document 15 [ ] Not ripplied of
9. List of Equipment/Activities Regulated under Title VI:
[ ] Attached, Document ID:
[ ] Equipment/Activities On site but Not Required to be Individually Listed
[ ] Not Applicable
[ ] .vov.ippnedoie
10. Alternative Methods of Operation:
[ ] Attached, Document ID: [ ] Not Applicable
11. Alternative Modes of Operation (Emissions Trading):
[ ] Attached, Document ID: [ ] Not Applicable
12. Identification of Additional Applicable Requirements:
[ ] Attached, Document ID: [ ] Not Applicable
13. Risk Management Plan Verification:
[ ] Plan previously submitted to Chemical Emergency Preparedness and Prevention
Office (CEPPO). Verification of submittal attached (Document ID: ) or
previously submitted to DEP (Date and DEP Office:)
[ ] Plan to be submitted to CEPPO (Date required:
[ ] Not Applicable
[ ] Not Applicable
14. Compliance Report and Plan:
[ ] Attached, Document ID: [ ] Not Applicable
15. Compliance Certification (Hard-copy Required):
[ ] Attached, Document ID: [ ] Not Applicable

Items 8. through 15. above previously submitted – see F.J. Gannon Station Title V permit application.

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

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

## A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

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

1.	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).						
[	process or prod		n addresses, as a single emis s which has at least one defin gitive emissions.				
[	-		n addresses, as a single emis s which produce fugitive em				
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)				
[ •	The emissions vemissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated			
[	] The emissions we emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is an unregulated			
3.	3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Unit 1 "wet" bottom, cyclone firing Babcock-Wilcox Corporation fossil fuel fired steam boiler generating unit. Fuels fired in Unit 1 include coal, on-specification used oil, coal/wood-derived (WDF) blend, and No. 2 fuel oil.						
4.	Emissions Unit Io ID: 001	lentification Number:		[ ] No ID [ ] ID Unknown			
5.	Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?			
	Status Code:	Date:	Group SIC Code:	[ ~]			
·	A		49				
9.	9. Emissions Unit Comment: (Limit to 500 Characters)						

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

#### Emissions Unit Information Section 1 of 4

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

_	
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):
	Electrostatic Precipitator (ESP)
2.	Control Device or Method Code(s): 010 (electrostatic precipitator – high efficiency)

#### **Emissions Unit Details**

1.	Package Unit:	
	Manufacturer: Babcock-Wilcox Corporation	Model Number:
2.	Generator Nameplate Rating: 125 MW	
3.	Incinerator Information:	
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

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## B. EMISSIONS UNIT CAPACITY INFORMATION (Regulated Emissions Units Only)

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

1.	Maximum Heat Input Rate:	1,257 mmBtu/hr		
2.	Maximum Incineration Rate:	lb/hr		tons/day
3.	Maximum Process or Throughp	ut Rate:		
4.	Maximum Production Rate:			
5.	Requested Maximum Operating	Schedule:		
	24	hours/day	7	days/week
	52	weeks/year	8,760	hours/year
6.	Operating Capacity/Schedule Co	omment (limit to 200 cha	racters):	

# C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### List of Applicable Regulations

See Title V permit application	:
	-
	-

# D. EMISSION POINT (STACK/VENT) INFORMATION (Regulated Emissions Units Only)

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

1.	Identification of Point on P	lot Plan or	2. Emission Po	oint Type Code:	
	Flow Diagram? CS-001		1		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  N/A					
4	ID Numbers or Description	s of Emission U	nits with this Fmi	ission Point in Comm	on.
	N/A	S OI LIMSSION CI	mis with this bin		<i>011.</i>
5.	Discharge Type Code: V	6. Stack Heig 315	ht: feet	7. Exit Diameter: 10.0 feet	
8.	Exit Temperature: 276 °F	Rate:	umetric Flow  37 acfm	10. Water Vapor:	%
11	. Maximum Dry Standard Flo		12. Nonstack E	mission Point Height:	feet
13	. Emission Point UTM Coord	linates:		<u>-</u>	
	Zone: E	ast (km):	Nort	h (km):	
14	. Emission Point Comment (	imit to 200 char	acters):		

# E. SEGMENT (PROCESS/FUEL) INFORMATION (All Emissions Units)

Fossil fuel steam generator fired with coal and coal/wood-derived fuel (WDF) blends.

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

1. Segment Description (Process/Fuel Type) (limit to 500 characters):

2. Source Class	ification Cod	e (SCC)·	3. SCC Units:	,	
	Source Classification Code (SCC): 1-01-002-03		tons burned (all solid fuels)		
4. Maximum H		5. Maximum A			Estimated Annual Activity
50.0	•	438,		0.	Factor:
6. Maximum %		8. Maximum 9		0	Million Btu per SCC Unit:
1.30		7.9		).	25
10. Segment Cor				<u> </u>	
•	`	e added to fuels.			
	•			ed o	il up to 1,000,000 gallons
		month period.	pecineation us	cu o	in up to 1,000,000 gainons
•		•	ng waste may h	e in	jected up to 50 gallons per
		,000 gallons in a			
					d 56,940 tons in any
_	ive 12 month				
1		_			
		-			
Sagment Deseri	ntion and Da	to Commont 2	of 2		
Segment Descri	ption and Ka	me: Segment 2			
1. Segment Des	cription (Pro	cess/Fuel Type)	(limit to 500 ch	arac	ters):
Fossil fuel st	eam generat	or fired with No	. 2 fuel oil.		
2. Source Class:	ification Code	e (SCC):	3. SCC Units	 s:	
	1-01-005-01	(200).			d Gallons Burned
4. Maximum He		5. Maximum A	Annual Rate:	6.	Estimated Annual Activity
1.08		1,101			Factor:
7. Maximum %	Sulfur	8. Maximum 9			Million Btu per SCC Unit:
0.5		0.1			136
10. Segment Con	nment (limit t				
10. Segment Con		.0 200 0114140(015)	•		
No. 2 fuel oil	used during	startups, shutd	owns. malfunc	tions	s, and for flame
stabilization		,	<b>,</b>		.,

#### F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

T 5 11	0 7 1		· · · · · · · · · · · · · · · · · · ·
1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
1 – PM	010		EL
2 – SO2			EL.
3 – NOX	1		NS
4 – CO			NS
5 – PM10			NS
6 – SAM			NS
7 – VOC			NS
8 - H106 (HCl)		-	NS
9 – H107 (HF)			NS
10 – HAPS			NS
		<u></u>	

DEP Form No. 62-210.900(1) - Form 18

## Emissions Unit Information Section 1 of 4 Pollutant Detail Information Page 1 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control:						
	99.						
3. Potential Emissions:		4. Synthetically					
377.1 lb/hour	688.2 tons/year	Limited? [ ]					
5. Range of Estimated Fugitive Emissions:							
[ ] 1 [ ] 2 [ ] 3	to to:	ns/year					
6. Emission Factor: 0.1 lb/10 <sup>6</sup> Btu, 0.3 lb/10 <sup>6</sup>	Btu	7. Emissions					
Reference: Allowable Emission Rat	es	Method Code: 0					
8. Calculation of Emissions (limit to 600 chara	acters):	I.					
Annual rate based on 0.1 lb PM/10 <sup>6</sup> Btu PM/10 <sup>6</sup> Btu (soot blowing) for 3 hrs/dy.	Hourly emission rate based on 0.3 lb PM/10 <sup>6</sup> Btu during soot blowing.  Annual rate based on 0.1 lb PM/10 <sup>6</sup> Btu (non-soot blowing) for 21 hrs/dy and 0.3 lb PM/10 <sup>6</sup> Btu (soot blowing) for 3 hrs/dy.  9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):						
Allowable Emissions Allowable Emissions	<u>1_of_2</u>						
1. Basis for Allowable Emissions Code:	2. Future Effective Da	ate of Allowable					
Rule	Emissions:						
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ble Emissions:					
0.1 lb/106 Btu (non-soot blowing)	125.7 lb/hour	N/A tons/year					
5. Method of Compliance (limit to 60 characters): EPA Reference Methods 5, 5B, 5F, or 17.							
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit t	o 200 characters):					
Rule 62-296.405(1)(b), F.A.C.							

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

#### Emissions Unit Information Section. 1 of 4 Pollutant Detail Information Page 2 of 11

#### Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
Rule	Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
0.3 lb/10 <sup>6</sup> Btu (soot blowing)	377.1 lb/hour N/A tons/year
5. Method of Compliance (limit to 60 characters	s):
EPA Reference Methods 5, 5B, 5F, or 17.	
6. Allowable Emissions Comment (Desc. of Op	erating Method) (limit to 200 characters):
Rule 62-210.700(3), F.A.C.	

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

## Emissions Unit Information Section 1 of 4 Pollutant Detail Information Page 3 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Emissions-Limited and Preconstruction Review Pollutants Only)

#### **Potential/Fugitive Emissions**

1.	Pollutant Emitted: SO <sub>2</sub>	2. Total Percent Efficient	ency of Control:
3.	Potential Emissions:		4. Synthetically
	<b>3,016.8</b> lb/hour	13,213.6 tons/year	Limited? [✓]
5.	Range of Estimated Fugitive Emissions:		
	[ ] 1 [ ] 2 [ ] 3	to to:	ns/year
6.	Emission Factor: 2.4 lb/10 <sup>6</sup> Btu	<del></del>	7. Emissions
	Reference: SIP Allowable Emission	Limit	Method Code:
	Reference. 511 Allowable Emission		0
8.	Calculation of Emissions (limit to 600 chara	cters):	
		41 1 2 2 2 2	
9.	Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	eters):
	Unit 1 is also subject the E.I. Connen Stat	tion SO Compliance Pl	an soo Condition
	Unit 1 is also subject the F.J. Gannon Stat J.4 of Title V Permit No. 0570040-002-AV		an - see Condition
	3.4 01 Title V 1 climit 110. 03/0040-002-AV	•	
Al	lowable Emissions Allowable Emissions 1	of2_	
1.	Basis for Allowable Emissions Code:	2. Future Effective Da	ate of Allowable
	Rule	Emissions:	
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
	2.4 lb/106 Btu	3,016.8 lb/hour	13,213.6 tons/year
-5	Method of Compliance (limit to 60 character		
<i>J</i> .	EPA Reference Methods 6, 6A, 6B, or 6C	-	n limits specified by
	Condition J.4 of Title V Permit No. 05700	•	n mines specified by
6.	6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):		
	Unit 1 is also subject the E.J. Common Station SO. Committees Blancas Condition		
	Unit 1 is also subject the F.J. Gannon Station SO <sub>2</sub> Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.		
	J.4 01 110e v Fermit No. 05/0040-002-A	<b>'</b> •	

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#### Emissions Unit Information Section 1 of 4

#### Pollutant Detail Information Page 4 of 11

#### Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
Rule	Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
10.6 tons/hr	21,200.0 lb/hour 92,856.0 tons/year
5. Method of Compliance (limit to 60 characte	rs):
Weekly composite fuel sampling and fuel	analysis or CEMS.
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):
Allowable limits shown in Fields 3 and 4 are	totals for Units 1 through 6.

### Emissions Unit Information Section 1 of 4 Pollutant Detail Information Page 5 of 11

#### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: NO <sub>x</sub>	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
1,650 lb/hour	7,227 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
	to tons/year
6. Emission Factor: 33.0 lb/ton	7. Emissions
Reference: AP-42	Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):
Potential emissions based on 50 ton/hr fu  9. Pollutant Potential/Fugitive Emissions Comm	
Allowable Emissions Allowable Emissions	of <b>N/A</b>
<u> </u>	
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
	•
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):

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## Emissions Unit Information Section 1 of 4 Pollutant Detail Information Page 6 of 11

## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Em	issions	S
-----------------------	---------	---

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
25 lb/hour	109.5 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
[ ] 1 [ ] 2 [ ] 3	totons/year
6. Emission Factor: 0.5 lb/ton	7. Emissions
Reference: AP-42	Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):
Potential emissions based on 50 ton/hr fu	nel consumption rate.
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
Allowable Emissions Allowable Emissions	of <b>N</b> /A
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
4 Degreeted Allerrable Emissions and United	Emissions:
4. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 characte	rs):
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):
	•

## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: PM <sub>10</sub>	2. Total Percent Efficien	acy of Control:
3. Potential Emissions:  102.7 lb/hour	<b>449.8</b> tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions:  [ ] 1 [ ] 2 [ ] 3	to tons	s/year
6. Emission Factor: 2.05 lb/ton		7. Emissions
Reference: AP-42		Method Code: 3
8. Calculation of Emissions (limit to 600 chara	cters):	
Potential emissions based on 50 ton/hr fu Emission estimates are provided for filter		7.9% ash content.
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characte	ers):
Allowable Emissions Allowable Emissions	of N/A	
Basis for Allowable Emissions Code:	2. Future Effective Date Emissions:	e of Allowable
5. Requested Allowable Emissions and Units:	4. Equivalent Allowabl	e Emissions:
	lb/hour	tons/year
5. Method of Compliance (limit to 60 character	rs):	
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to	200 characters):

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#### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

(Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
5.5 lb/hour	24.1 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 0.11 lb/ton	7. Emissions
Reference: AP-42	Method Code:
(TNMOC).	uel consumption rate. r total non-methane organic compounds
9. Pollutant Potential/Fugitive Emissions Com  Allowable Emissions Allowable Emissions	
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
6. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 characte	rs):
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):
·	

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## Emissions Unit Information Section 1 of 4 Pollutant Detail Information Page 9 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: HCI	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
60.0 lb/hour	262.8 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 1.2 lb/ton	7. Emissions
Reference: AP-42	Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):
Potential emissions based on 50 ton/hr fu	nel consumption rate.
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
Allowable Emissions Allowable Emissions	of <b>N</b> /A
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
7. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):

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## Emissions Unit Information Section 1 of 4 Pollutant Detail Information Page 10 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: HF	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
7.5 lb/hour	32.9 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 0.15 lb/ton	7. Emissions
Reference: AP-42	Method Code:
8. Calculation of Emissions (limit to 600 chara	acters):
Potential emissions based on 50 ton/hr fu	uel consumption rate.
9. Pollutant Potential/Fugitive Emissions Com	
Allowable Emissions Allowable Emissions	of N/A
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
8. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 characte	ers):
	•
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):
,	

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#### Emissions Unit Information Section 1 of 4 Pollutant Detail Information Page 11 of 11

## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: SAM	2. Total Percent Efficie	ency of Control:
3. Potential Emissions:		4. Synthetically
<b>11.1</b> lb/hour	48.8 tons/year	Limited? [ ✓ ]
5. Range of Estimated Fugitive Emissions:		
[ ] 1 [ ] 2 [ ] 3	to to	ns/year
6. Emission Factor: 0.22 lb/ton		7. Emissions
Reference: AP-42		Method Code: 3
8. Calculation of Emissions (limit to 600 chara	cters):	<u> </u>
Potential emissions based on 50 ton/hr fu Emissions estimated assuming 0.7% of conversion of SO <sub>3</sub> to H <sub>2</sub> SO <sub>4</sub> mist.		
9. Pollutant Potential/Fugitive Emissions Com		
Allowable Emissions	of N/A	
Basis for Allowable Emissions Code:	2. Future Effective Da Emissions:	te of Allowable
9. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
	lb/hour	tons/year
5. Method of Compliance (limit to 60 character	rs):	
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to	200 characters):
,	, ,	,

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# H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>5</u>

1.	Visible Emissions Subtype:	2. Basis for Allowable	Opacity:
	VE20	[ 🗸] Rule	[ ] Other
3.	Requested Allowable Opacity: Normal Conditions: 20 % Ex Maximum Period of Excess Opacity Allow	cceptional Conditions: ed:	27 % 6 min/hour
4.	Method of Compliance: Continuous opacity monitoring system (	COMS).	
5.	Visible Emissions Comment (limit to 200 comm	haracters):	
 Vi	sible Emissions Limitation: Visible Emissi	ons Limitation 2 of	5
	Sible Emissions Limitation: Visible Emissions Subtyne:		
	visible Emissions Limitation: Visible Emissi Visible Emissions Subtype:  VE60	2. Basis for Allowable	Opacity:
1.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity:	2. Basis for Allowable  [ ~] Rule  al Conditions:	
1.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity: Normal Conditions: % Exception	2. Basis for Allowable [ •] Rule  all Conditions:	Opacity:  [ ] Other  60 %

# H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>3</u> of <u>5</u>

1	Visible Emissions Subtype:	2. Basis for Allowable O	pacity:	
	VE100	[ 🗸 ] Rule	[ ] Other	
3.	Requested Allowable Opacity:			
		ceptional Conditions:	100 %	
	Maximum Period of Excess Opacity Allowe	ed:	24 min/hour	
4.	4. Method of Compliance:			
Continuous opacity monitoring system (COMS).				
5.	Visible Emissions Comment (limit to 200 characters):			
	Rule 62-296.405(1)(a), F.A.C.			
<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>4</u> of <u>5</u>				
1.	Visible Emissions Subtype:	2. Basis for Allowable O	pacity:	
	VE100	[ • ] Rule	Other	
3. Requested Allowable Opacity:		_ [ ]		
3.	Requested Allowable Opacity:			
3.	Normal Conditions:  % Exception	al Conditions:	00%	
3.	,	al Conditions:		
	Normal Conditions: % Exception Maximum Period of Excess Opacity Allower	al Conditions:	00%	
	Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe Method of Compliance:	nal Conditions:	00%	
	Normal Conditions: % Exception Maximum Period of Excess Opacity Allower	nal Conditions:	00%	
4.	Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe Method of Compliance:	al Conditions: ed:	00%	
4.	Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity monitoring system)	al Conditions: ed:  COMS).  haracters):	00%	
4.	Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity allowed for boiler startups)	al Conditions: ed:  COMS).  haracters):	00%	
4.	Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity monitoring system)	al Conditions: ed:  COMS).  haracters):	00%	
4.	Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity allowed for boiler startups)	al Conditions: ed:  COMS).  haracters):	00%	

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# H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation 5 of 5

1.	Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:	
	VE100	[ ~ ] Rule	Other	
3.	1 1	sceptional Conditions:	100 % 60 min/hour	
4.	Method of Compliance:			
	Continuous opacity monitoring system (Continuous opacity monitoring system)	COMS).		
5.	Visible Emissions Comment (limit to 200 characters):			
	Excess opacity allowed for startups, shutdowns, and malfunctions. Rule 62-210.700(1), F.A.C.			
Visible Emissions Limitation: Visible Emissions Limitation of				
Vi	sible Emissions Limitation: Visible Emissi	ons Limitation of	·	
	visible Emissions Limitation: Visible Emissi Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:	
1.	Visible Emissions Subtype:			
1.	Visible Emissions Subtype:  Requested Allowable Opacity:	2. Basis for Allowable  [ ] Rule	e Opacity:  [ ] Other	
1.	Visible Emissions Subtype:  Requested Allowable Opacity: Normal Conditions: % Exception	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
1.	Visible Emissions Subtype:  Requested Allowable Opacity:	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
3.	Visible Emissions Subtype:  Requested Allowable Opacity: Normal Conditions: % Exception	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
3.	Visible Emissions Subtype:  Requested Allowable Opacity:  Normal Conditions: % Exception  Maximum Period of Excess Opacity Allower	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
3.	Visible Emissions Subtype:  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance:	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
3.	Visible Emissions Subtype:  Requested Allowable Opacity:  Normal Conditions: % Exception  Maximum Period of Excess Opacity Allower	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
3.	Visible Emissions Subtype:  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance:	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
3.	Visible Emissions Subtype:  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance:	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	
3.	Visible Emissions Subtype:  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowe  Method of Compliance:	2. Basis for Allowable [ ] Rule al Conditions:	e Opacity:  [ ] Other	

## I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 1 of 5

1.	Parameter Code: VE	2. Pollutant(s):			
3.	CMS Requirement:	[ ] Rule [ ] Other			
	Monitor Information: Manufacturer: Thermo Environmental Model Number: M400	Serial Number: 400B-3400-009			
5.	Installation Date: 10/01/85	6. Performance Specification Test Date:			
7.	Continuous Monitor Comment (limit to 200 characters):  Required by 40 CFR Part 75 (Acid Rain Program) and Rule 62-296.405(1)(f)a., F.A.C.  System includes one opacity monitor.				
<u>Co</u>	Continuous Monitoring System: Continuous Monitor 2 of 5				
1.	Parameter Code: EM	2. Pollutant(s): SO <sub>2</sub>			
3.	CMS Requirement:	[ \( \rightarrow \)] Rule [ ] Other			
5.	Monitor Information: Manufacturer: Thermo Environmental Model Number: 43B Installation Date: 07/01/94	Corporation Serial Number: 43B-48234-280  6. Performance Specification Test Date:			
7.	Continuous Monitor Comment (limit to 200 characters):  Required by 40 CFR Part 75 (Acid Rain Program) and Rule 62-296.405(1)(f)b., F.A.C.  System includes one SO <sub>2</sub> monitor, with one backup system shared among Units 1, 2, and 3.				

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# I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 3 of 5

1.	Parameter Code: EM	2. Pollutant(s): NO <sub>x</sub>		
3.	CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other		
4.	Monitor Information:  Manufacturer: Thermo Environmental  Model Number: 42D	Corporation Serial Number: 42D-47869-279		
5.	Installation Date: 07/01/94	6. Performance Specification Test Date:		
7.	Continuous Monitor Comment (limit to 200 characters):			
	Required by 40 CFR Part 75 (Acid Rain System includes one NO <sub>2</sub> monitor, with of and 3.	Program). ne backup system shared among Units 1, 2,		
Continuous Monitoring System: Continuous Monitor 4 of 5				
1.	Parameter Code: FLOW	2. Pollutant(s):		
3.	CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other		
5.	Monitor Information: Manufacturer: USI Model Number: 100 Installation Date: 07/01/94	Serial Number: 9401630  6. Performance Specification Test Date:		
7.	Continuous Monitor Comment (limit to 200 Required by 40 CFR Part 75 (Acid Rain System includes one flow monitor.	•		

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### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 5 of 5

1.	Parameter Code: CO2	2. Pollutant(s):				
3.	CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other				
4.	Monitor Information:					
	Manufacturer: Siemens					
	Model Number: 5E	Serial Number: <b>E2-756</b>				
5.	Installation Date: 07/01/94	6. Performance Specification Test Date:				
7.	Continuous Monitor Comment (limit to 200	characters):				
	Required by 40 CFR Part 75 (Acid Rain System includes one CO <sub>2</sub> monitor, with 0 and 3.	Program). ne backup system shared among Units 1, 2,				
		Continuous Monitoring System: Continuous Monitor of				
-						
].	Parameter Code:	2. Pollutant(s):				
3.	Parameter Code:  CMS Requirement:	2. Pollutant(s):  [ ] Rule [ ] Other				
3.	CMS Requirement:					
3.	CMS Requirement:  Monitor Information:					
3.	CMS Requirement:  Monitor Information:  Manufacturer:	[ ] Rule [ ] Other				
3.	CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:	[ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:				
3. 4. 5.	CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	[ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:				
3. 4. 5.	CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	[ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:				
3. 4. 5.	CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	[ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:				
3. 4. 5.	CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	[ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:				

### J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

#### **Supplemental Requirements**

1.	Process Flow Diagram
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [ ✓] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[ ] Attached, Document ID:
	[ ] Previously submitted, Date:
	[ ✔] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ~] Not Applicable
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [ ~] Not Applicable
10.	Supplemental Requirements Comment:
	Items 1 through 7 previously submitted - see F.J. Gannon Station Title V permit application.

#### Emissions Unit Information Section 1 of 4

#### Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[ ] Attached, Document ID: [ ~] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document lD: [ ~] Not Applicable
13. Identification of Additional Applicable Requirements
[ ] Attached, Document lD: [ ~] Not Applicable
14. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID: [ ~] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:
[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:
[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:
[ ] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID:
[ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID:
[ ~] Not Applicable

Above items previously submitted, see F.J. Gannon Station Title V permit application.

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

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

1.	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).					
[	process or prod		n addresses, as a single emis s which has at least one definative emissions.			
] [	=		n addresses, as a single emis s which produce fugitive em			
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)			
[ •	The emissions were emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated		
[	] The emissions were emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is an unregulated		
3.	Unit 2 "wet" botton	n, cyclone firing Babcock-W	in This Section (limit to 60 of licox Corporation fossil fuel fire ification used oil, coal/wood-deri	ed steam boiler generating		
4.	Emissions Unit Io ID: 002	lentification Number:		[ ] No ID [ ] ID Unknown		
5.	Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?		
	Status Code:  A	Date:	Group SIC Code:  49	[ •]		
0		James and (Y impid to 500 (				
9.	Emissions Unit C	comment: (Limit to 500 (	Sharacters)			

#### Emissions Unit Information Section 2 of 4

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

<u>E II</u>	missions out Control Equipment
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):
	Electrostatic Precipitator (ESP)
2	Control Device or Method Code(s): 010 (electrostatic precipitator – high efficiency)

#### **Emissions Unit Details**

1.	Package Unit:	
	Manufacturer: Babcock-Wilcox Corporation	Model Number:
2.	Generator Nameplate Rating: 125 MW	
3.	Incinerator Information:	
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

### B. EMISSIONS UNIT CAPACITY INFORMATION (Regulated Emissions Units Only)

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

1.	Maximum Heat Input Rate:	1,257 mmBtu/hr		
2.	Maximum Incineration Rate:	lb/hr		tons/day
3.	Maximum Process or Throughp	ut Rate:		
4.	Maximum Production Rate:			
5.	Requested Maximum Operating	Schedule:		
	24	hours/day	7	days/week
	52	weeks/year	8,760	hours/year
6.	Operating Capacity/Schedule Co	omment (limit to 200 ch	aracters):	•
ľ				
		•		
		,		

### C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### List of Applicable Regulations

See Title V permit application	
· .	

#### D. EMISSION POINT (STACK/VENT) INFORMATION (Regulated Emissions Units Only)

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

1.	Identification of Point on Pl Flow Diagram? <b>CS-002</b>	lot Plan or 2. Emission Point Type Code:  1				
3.	Descriptions of Emission Policy 100 characters per point):	oints Comprising this Emissions Unit for VE Tracking (limit to			limit to	
	N/A					
4.	ID Numbers or Description	s of Emission U	nits with this Emi	ssion Point in Commo	n:	
	N/A					
5.	Discharge Type Code: V	6. Stack Heig	ht: feet	7. Exit Diameter: 10.0 feet		
8.	Exit Temperature: 336 °F	Rate:	umetric Flow  85 acfm	10. Water Vapor:	%	
11.	Maximum Dry Standard Flo	ow Rate:		mission Point Height:		
		dscfm		· f	eet	
13.	Emission Point UTM Coord	linates:				
		ast (km):		h (km):		
14.	Emission Point Comment (I	imit to 200 char	acters):			

### E. SEGMENT (PROCESS/FUEL) INFORMATION (All Emissions Units)

Segment	Description	and Rate:	Segment	1	of	2

1.	Segment Description (Process/Fuel Type) (limit to 500 characters):					
	Fossil fuel steam generato	r fired with coal	l and coal/wood	l-derived fuel (WDF) blends.		
2.	Source Classification Code	e (SCC):	3. SCC Units:			
	1-01-002-03		tons b	ourned (all solid fuels)		
4.	Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6. Estimated Annual Activity		
	50.0	438,	,000	Factor:		
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9. Million Btu per SCC Unit:		
	1.30	7.9	90	25		
10.	Segment Comment (limit t		•			
	e. Fluxing agents may b					
			specification us	ed oil up to 1,000,000 gallons		
	in any consecutive 12 month period.					
	g. Nonhazardous boiler chemical cleaning waste may be injected up to 50 gallons per minute and up to 960,000 gallons in any consecutive 12 month period.					
	h. Total quantity of WD		•	-		
	consecutive 12 month			•		
Seg	Segment Description and Rate: Segment 2 of 2					
1.	Segment Description (Proc	cess/Fuel Type )	(limit to 500 ch	aracters):		

Fossii iuei steam generat	or fired with No.	2 fuel on.	·		
Source Classification Code	e (SCC):	3. SCC Unit	s:		
1-01-005-01	1-01-005-01		Thousand Gallons Burned		
Maximum Hourly Rate:	6. Maximum A	nnual Rate:	6. Estimated Annual Activity		
1.08	1,101.60		Factor:		
Maximum % Sulfur:	8. Maximum % Ash:		9. Million Btu per SCC Unit:		
0.5	0.1		136		
	Source Classification Code 1-01-005-01  Maximum Hourly Rate: 1.08  Maximum % Sulfur:	Source Classification Code (SCC):	1-01-005-01ThoMaximum Hourly Rate:6.Maximum Annual Rate:1.081,101.60Maximum % Sulfur:8.Maximum % Ash:		

10. Segment Comment (limit to 200 characters):

No. 2 fuel oil used during startups, shutdowns, malfunctions, and for flame stabilization.

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### F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

	0.00		T. 4. D. 11.
1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
1 – PM	010		EL
2 – SO2			EL
3 – NOX			NS
4 – CO			NS
5 – PM10			NS
6 – SAM			NS
0 0.2.2			
7 – VOC			NS
, , , , ,			1,0
8 – H106 (HCl)			NS
8 - 11100 (11C1)			110
0 U107 (UE)			NS
9 – H107 (HF)			143
10 TIATIC			NC
10 – HAPS			NS
			·

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#### Emissions Unit Information Section 2 of 4

#### Pollutant Detail Information Page 1 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1.	Pollutant Emitted: PM	2. Total Percent Efficiency of Control:			
		99.09			
3.	Potential Emissions:		4. Synthetically		
	377.1 lb/hour	688.2 tons/year	Limited? [ ]		
5.	Range of Estimated Fugitive Emissions:				
			ns/year		
6.	Emission Factor: 0.1 lb/10 <sup>6</sup> Btu, 0.3 lb/10 <sup>6</sup>	Btu	7. Emissions		
	Reference: Allowable Emission Rate		Method Code: 0		
8.	Calculation of Emissions (limit to 600 chara	cters):			
<u> </u>		406 7.			
	Hourly emission rate based on 0.3 lb PM	/10° Btu during soot blo	owing.		
	Annual rate based on 0.1 lb PM/10 <sup>6</sup> Btu	(non-soot blowing) for	21 hrs/dy and 0.3 lh		
	PM/10 <sup>6</sup> Btu (soot blowing) for 3 hrs/dy.	(non-soot blowing) for	21 mis/dy and 0.5 m		
	in it is the coordinate in the interest of the				
9.	Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters):		
	<b>C</b>	`	,		
All	owable Emissions Allowable Emissions 1	of <b>2</b>			
1.	Basis for Allowable Emissions Code:	2. Future Effective Da	ate of Allowable		
	Rule	Emissions:			
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:		
	0.1 lb/106 Btu (non-soot blowing)	125.7 lb/hour	N/A tons/year		
5.	Method of Compliance (limit to 60 character	rs):			
	EPA Reference Methods 5, 5B, 5F, or 17.				
6.	Allowable Emissions Comment (Desc. of Op	perating Method) (limit to	o 200 characters):		
	Rule 62-296.405(1)(b), F.A.C.				

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#### Emissions Unit Information Section 2 of 4 Pollutant Detail Information Page 2 of 11

#### Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable			
	Rule		Emissions:		
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		ons:	
	0.3 lb/106 Btu (soot blowing)		377.1 lb/hour	N/A	tons/year
5.	Method of Compliance (limit to 60 character	s):			
	EPA Reference Methods 5, 5B, 5F, or 17.				
6.	Allowable Emissions Comment (Desc. of Op	erat	ing Method) (limit to 2	200 chai	racters):
	Rule 62-210.700(3), F.A.C.				
1					

#### Emissions Unit Information Section 2 of 4

#### Pollutant Detail Information Page 3 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: SO <sub>2</sub>	2. Total Percent Efficiency of Control:			
3. Potential Emissions:		4. Synthetically		
3,016.8 lb/hour	13,213.6 tons/year	Limited? [ ~ ]		
5. Range of Estimated Fugitive Emissions:				
	to to	ns/year		
6. Emission Factor: 2.4 lb/106 Btu		7. Emissions		
Reference: SIP Allowable Emission	Limit	Method Code: 0		
8. Calculation of Emissions (limit to 600 characteristics)	cters):			
9. Pollutant Potential/Fugitive Emissions Comm Unit 2 is also subject the F.J. Gannon State J.4 of Title V Permit No. 0570040-002-AV.	ion SO <sub>2</sub> Compliance Pl	•		
Allowable Emissions Allowable Emissions 1	of2			
Basis for Allowable Emissions Code:     Rule	2. Future Effective Da Emissions:	te of Allowable		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	ole Emissions:		
2.4 lb/10 <sup>6</sup> Btu	<b>3,016.8</b> lb/hour	13,213.6 tons/year		
5. Method of Compliance (limit to 60 characters				
EPA Reference Methods 6, 6A, 6B, or 6C a		n limits specified by		
Condition J.4 of Title V Permit No. 057004	40-002-AV).			
6. Allowable Emissions Comment (Desc. of Op	erating Method) (limit to	200 characters):		
Unit 2 is also subject the F.J. Gannon Star	tion SO, Compliance P	lan – see Condition		

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J.4 of Title V Permit No. 0570040-002-AV.

#### Emissions Unit Information Section 2 of 4

#### Pollutant Detail Information Page 4 of 11

Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable		
	Rule	Emissions:		
3.	Requested Allowable Emissions and Units:	ons and Units: 4. Equivalent Allowable Emissions:  21,200.0 lb/hour 92,856.0 tons/yea		
	10.6 tons/hr			
5.	5. Method of Compliance (limit to 60 characters):			
	Weekly composite fuel sampling and fuel analysis or CEMS.			
6.	6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			
Allowable limits shown in Fields 3 and 4 are <u>totals</u> for Units 1 through 6.				

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### Emissions Unit Information Section 2 of 4 Pollutant Detail Information Page 5 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

**Emissions-Limited and Preconstruction Review Pollutants Only)** 

#### Potential/Fugitive Emissions

1. Pollutant Emitted: NO <sub>x</sub>	2. Total Percent Efficiency of Control:			
3. Potential Emissions:	4. Synthetically			
1,650 lb/hour	7,227 tons/year Limited? [ ]			
5. Range of Estimated Fugitive Emissions:				
	to tons/year			
6. Emission Factor: 33.0 lb/ton	7. Emissions			
Reference: AP-42	Method Code:			
8. Calculation of Emissions (limit to 600 chara	acters):			
Potential emissions based on 50 ton/hr f				
9. Pollutant Potential/Fugitive Emissions Com	iment (limit to 200 characters):			
Allowable Emissions Allowable Emissions	of <b>N</b> / <b>A</b>			
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	lb/hour tons/year			
5. Method of Compliance (limit to 60 characte	ers):			
6. Allowable Emissions Comment (Desc. of C	perating Method) (limit to 200 characters):			

### Emissions Unit Information Section 2 of 4 Pollutant Detail Information Page 6 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control:		
3. Potential Emissions:	4. Synthetically		
25 lb/hour	109.5 tons/year Limited? [ ]		
5. Range of Estimated Fugitive Emissions:			
	to tons/year		
6. Emission Factor: 0.5 lb/ton	7. Emissions		
Reference: AP-42	Method Code:		
8. Calculation of Emissions (limit to 600 chara	acters):		
Potential emissions based on 50 ton/hr fo	uel consumption rate.		
9. Pollutant Potential/Fugitive Emissions Com	ment (mmt to 200 characters).		
Allowable Emissions Allowable Emissions	of N/A		
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:		
4. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
	lb/hour tons/year		
5. Method of Compliance (limit to 60 characte	rs):		
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):		

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### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: PM <sub>10</sub>	2. Total Percent Efficiency of Control:		
3. Potential Emissions:	4. Synthetically		
102.7 lb/hour	449.8 tons/year Limited? [ ]		
5. Range of Estimated Fugitive Emissions:			
[ ] 1 [ ] 2 [ ] 3	totons/year		
6. Emission Factor: 2.05 lb/ton	7. Emissions		
Reference: AP-42	Method Code:		
8. Calculation of Emissions (limit to 600 chara	acters):		
Potential emissions based on 50 ton/hr fu Emission estimates are provided for filte 9. Pollutant Potential/Fugitive Emissions Com			
Allowable Emissions Allowable Emissions			
<del></del>			
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
	lb/hour tons/year		
5. Method of Compliance (limit to 60 character	rs):		
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):		

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#### Emissions Unit Information Section 2 of 4 Pollutant Detail Information Page 8 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

(Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:			
3. Potential Emissions:	I	4. Synthetically		
5.5 lb/hour	24.1 tons/year	Limited? [ ]		
5. Range of Estimated Fugitive Emissions:				
[]1 []2 []3	to to	ns/year		
6. Emission Factor: 0.11 lb/ton		7. Emissions		
Reference: AP-42		Method Code:		
8. Calculation of Emissions (limit to 600 chara	cters):			
Potential emissions based on 50 ton/hr fu Emission estimates are provided for (TNMOC).	<b>-</b>	organic compounds		
9. Pollutant Potential/Fugitive Emissions Com				
Allowable Emissions Allowable Emissions	of N/A			
1. Basis for Allowable Emissions Code:	2. Future Effective De Emissions:	ate of Allowable		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowa	ble Emissions:		
	lb/hour	tons/year		
Method of Compliance (limit to 60 character      Allowable Emissions Comment (Desc. of Open Comment (Desc. of		o 200 characters):		

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### Emissions Unit Information Section 2 of 4 Pollutant Detail Information Page 9 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: HCI	2. Total Percent Efficiency of Control:			
3. Potential Emissions:	4. Synthetically			
60.0 lb/hour	262.8 tons/year Limited? [	]		
5. Range of Estimated Fugitive Emissions:				
[ ] 1 [ ] 2 [ ] 3	totons/year			
6. Emission Factor: 1.2 lb/ton	7. Emissions			
Reference: AP-42	Method Code:			
8. Calculation of Emissions (limit to 600 chara	cters):			
Potential emissions based on 50 ton/hr fu	nel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):			
Allowable Emissions Allowable Emissions	of <b>N</b> /A			
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	lb/hour tons/year			
5. Method of Compliance (limit to 60 character	rs):			
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):			

### Emissions Unit Information Section 2 of 4 Pollutant Detail Information Page 10 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1.	Pollutant Emitted: HF	2. Total Percent Efficiency of Control:		
3.	Potential Emissions:		4. Synthetically	
	<b>7.5</b> lb/hour	32.9 tons/year	Limited? [ ]	
5.	Range of Estimated Fugitive Emissions:	<u> </u>		
	[ ] 1 [ ] 2 [ ] 3	to	tons/year	
6.	Emission Factor: 0.15 lb/ton		7. Emissions	
	Reference: AP-42		Method Code:	
8.	Calculation of Emissions (limit to 600 charac	cters):		
	Potential emissions based on 50 ton/hr fu	el consumption rate.		
	Pollutant Potential/Fugitive Emissions Com			
$\underline{\mathbf{Al}}$	lowable Emissions Allowable Emissions	of <b>N/A</b>		
1.	Basis for Allowable Emissions Code:	2. Future Effective Emissions:	Date of Allowable	
3.	Requested Allowable Emissions and Units:	4. Equivalent Allow	vable Emissions:	
		lb/hour	tons/year	
5.	Method of Compliance (limit to 60 character	rs):		
6.	Allowable Emissions Comment (Desc. of Op	perating Method) (limi	t to 200 characters):	

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#### Emissions Unit Information Section 2 of 4 Pollutant Detail Information Page 11 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1.	Pollutant Emitted: SAM	2. Total Percent Efficiency of Control:				
3.	Potential Emissions:				4.	Synthetically
	11.1 lb/hour	4	8.8	tons/year		Limited? [ ~]
5.	Range of Estimated Fugitive Emissions:			to t	one/s	007
	[ ] 1 [ ] 2 [ ] 3 Emission Factor: <b>0.22 lb/ton</b>			to t	ons/y	
6.	Emission Factor: 0.22 lb/ton				/.	Emissions Method Code:
	Reference: AP-42					3
8.	Calculation of Emissions (limit to 600 chara	cters	s):			
9. I	Potential emissions based on 50 ton/hr fu Emissions estimated assuming 0.7% of conversion of SO <sub>3</sub> to H <sub>2</sub> SO <sub>4</sub> mist.	fue	l sul	fur is conver	ted to	o SO <sub>3</sub> and 100%
Alle	- Allowakia Envisaiona			N/A		·
Allo	wable Emissions Allowable Emissions	c	I	N/A		
1. F	Basis for Allowable Emissions Code:	2.		ure Effective Dissions:	ate	of Allowable
3. F	Requested Allowable Emissions and Units:	4.	Equ	ivalent Allowa	able I	Emissions:
				lb/hour		tons/year
5. N	Method of Compliance (limit to 60 character	rs):				
6. A	Allowable Emissions Comment (Desc. of O	perat	ing l	Method) (limit	to 20	0 characters):

1. Visible Emissions Subtype:

### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

2. Basis for Allowable Opacity:

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>5</u>

	VE20	[ •] Rule	[ ] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: 20 % Ex	ceptional Conditions:	27 %
	Maximum Period of Excess Opacity Allowed:		6 min/hour
4.	Method of Compliance:		
	Continuous opacity monitoring system (	COMS).	
_	W. 11 E	7	
5.	Visible Emissions Comment (limit to 200 c	haracters):	
	Rule 62-296.405(1)(a), F.A.C.		
	Rule 02-290.405(1)(a), F.A.C.		
<b>1</b> 72.	sible Emissione Limitation. Visible Emissi	iona Limitation 1 of	5
	sible Emissions Limitation: Visible Emissi	ons Emiliation 2 of	<u> </u>
1.	Visible Emissions Subtype:	2. Basis for Allowable	Opacity:
	VE60	[ 🗸 ] Rule	[ ] Other
3.	Requested Allowable Opacity:		
		nal Conditions:	60 %
	Maximum Period of Excess Opacity Allow	ed:	60 min/hour
4.	1		
	Continuous opacity monitoring system (Continuous opacity monitoring system)	COMS).	
5.	Visible Emissions Comment (limit to 200 c	haracters):	
٥.	Visible Emissions Comment (mint to 200 C	naracters).	
	Maximum period of excess opacity allow	ed for 3 hours in any 24-	hour period.
	Rule 62-210.700(3), F.A.C.	ou for a mount in any 20	Porrout

### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>3</u> of <u>5</u>

1.	Visible Emissions Subtype:	2. Basis for Allowable	Opacity:
	VE100	[ 🗸 ] Rule	[ ] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: % Ex	ceptional Conditions:	100 %
	Maximum Period of Excess Opacity Allowe	ed:	24 min/hour
	<u> </u>		
4.	The state of the s		
	Continuous opacity monitoring system (C	COMS).	
_	Wiells Enderland Comment (I with 200 1		
5.	Visible Emissions Comment (limit to 200 cl	naracters):	
	Rule 62-296.405(1)(a), F.A.C.		
	Nuie 02-250.403(1)(a), 1.A.C.		
Vi	sible Emissions Limitation: Visible Emission	one Limitation 4 of	5
			<u> </u>
1.	Visible Emissions Subtype:	2. Basis for Allowable	- •
	VE100	[ 🗸] Rule	[ ] Other
3.	Requested Allowable Opacity:		
	-	al Conditions:	100 %
	Maximum Period of Excess Opacity Allowe	ed:	60 min/hour
4	M.d. 1.CO. P.		
4.	Method of Compliance:	(OMC)	
	Continuous opacity monitoring system (C	OMS).	
5.	Visible Emissions Comment (limit to 200 ch	naracters):	
	· · · · · · · · · · · · · · · · · · ·	/-	
	Excess opacity allowed for boiler startups	and shutdowns.	
	Excess opacity allowed for boiler startups Rule 62-210.700(2), F.A.C.	and shutdowns.	
	- ·	and shutdowns.	
	- ·	and shutdowns.	

# H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation 5 of 5

	T		
1. Visible Emissions Subtype:	2. Basis for Allowable Opacity:		
VE100	[ •] Rule	[ ] Other	
3. Requested Allowable Opacity:			
Normal Conditions: % E	xceptional Conditions:	100 %	
Maximum Period of Excess Opacity Allow		60 min/hour	
4. Method of Compliance:	<del></del>		
Continuous opacity monitoring system (	COMS).		
	,		
5. Visible Emissions Comment (limit to 200	characters):		
Excess opacity allowed for startups, shu	tdowns, and malfunctions	s.	
Rule 62-210.700(1), F.A.C.			
Visible Emissions Limitation: Visible Emiss	sions Limitation of		
	<u> </u>	Onacity:	
Visible Emissions Limitation: Visible Emiss  1. Visible Emissions Subtype:	2. Basis for Allowable	•	
Visible Emissions Subtype:	<u> </u>	Opacity: [ ] Other	
Visible Emissions Subtype:  3. Requested Allowable Opacity:	2. Basis for Allowable [ ] Rule	[ ] Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:  % Exceptio	2. Basis for Allowable  [ ] Rule  nal Conditions:	Other	
Visible Emissions Subtype:  3. Requested Allowable Opacity:	2. Basis for Allowable  [ ] Rule  nal Conditions:	[ ] Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable  [ ] Rule  nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:  % Exceptio	2. Basis for Allowable  [ ] Rule  nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable  [ ] Rule  nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable [ ] Rule nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable [ ] Rule nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable [ ] Rule nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable [ ] Rule nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable [ ] Rule nal Conditions:	Other	
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions:	2. Basis for Allowable [ ] Rule nal Conditions:	Other	

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### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 1 of 5

1.	Parameter Code: VE	2. Pollutant(s):
3.	CMS Requirement:	[ \subseteq ] Rule [ ] Other
4.	Monitor Information:  Manufacturer: Thermo Environmental  Model Number: M400	Serial Number: 400B-44871-B62
5.	Installation Date: 10/01/93	6. Performance Specification Test Date:
7.	Required by 40 CFR Part 75 (Acid Rain F.A.C.  System includes one opacity monitor.	•
<u>Co</u>	ontinuous Monitoring System: Continuous  Parameter Code: EM	Monitor 2 of 5  2. Pollutant(s): SO <sub>2</sub>
	CMS Requirement:	[ \( \bigcap \) Rule [ ] Other
<ul><li>4.</li><li>5.</li></ul>	Monitor Information: Manufacturer: Thermo Environmental Model Number: 43B Installation Date: 07/01/94	Corporation Serial Number: 43B-48170-279  6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200 Required by 40 CFR Part 75 (Acid Rain F.A.C.  System includes one SO <sub>2</sub> monitor, with or and 3.	,

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### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 3 of 5

1.	Parameter Code: EM	2. Pollutant(s): NO <sub>x</sub>
3.	CMS Requirement:	[ \( \mathbb{Z} \)] Rule [ ] Other
4.	Monitor Information:  Manufacturer: Thermo Environmental  Model Number: 42D	Corporation Serial Number: 42D-47875-279
5.	Installation Date: 07/01/94	6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200 Required by 40 CFR Part 75 (Acid Rain System includes one NO <sub>2</sub> monitor, with or and 3.	,
<u>C</u> 0	ntinuous Monitoring System: Continuous	Monitor <u>4</u> of <u>5</u>
1.	Parameter Code: FLOW	2. Pollutant(s):
3.	CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other
5.	Monitor Information: Manufacturer: USI Model Number: 100 Installation Date: 07/01/94	Serial Number: 9401625  6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200 Required by 40 CFR Part 75 (Acid Rain System includes one flow monitor.	,

### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 5 of 5

		<del></del>	
1.	Parameter Code: CO2	2. Pollutant(s):	
3.	CMS Requirement:	[ \( \rightarrow \)] Rule [ ] Other	
4.	Monitor Information:		
	Manufacturer: Siemens		
	Model Number: 5E	Serial Number: <b>D0-669</b>	
5.	Installation Date: 07/01/94	6. Performance Specification Test Date:	
7.	Continuous Monitor Comment (limit to 200	characters):	
	Required by 40 CFR Part 75 (Acid Rain Program).  System includes one CO <sub>2</sub> monitor, with one backup system shared among Units 1, 2, and 3.		
Continuous Monitoring System: Continuous Monitor of			
1.	Parameter Code:	2. Pollutant(s):	
3.	CMS Requirement:	[ ] Rule [ ] Other	
4.	Monitor Information:		
	Manufacturer:		
	Model Number:	Serial Number:	
5.	Installation Date:	6. Performance Specification Test Date:	
7.	Continuous Monitor Comment (limit to 200	characters):	

# J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

#### **Supplemental Requirements**

1.	Process Flow Diagram
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID:[ ~] Not Applicable [ ] Waiver Requested
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[ ] Attached, Document ID:
	Previously submitted, Date:
	[ ~] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [ ✓] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ~] Not Applicable
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [ ~] Not Applicable
10.	Supplemental Requirements Comment:
	Items 1 through 7 previously submitted - see F.J. Gannon Station Title V permit application.

#### Emissions Unit Information Section 2 of 4

#### Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
·
[ ] Attached, Document ID: [ ~] Not Applicable
10. Alternative M. Lee of O. and J. (Fraincis of Trustics)
12. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID: [ ~] Not Applicable
13. Identification of Additional Applicable Requirements
[ ] Attached, Document ID: [ ~] Not Applicable
14. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID: [ ✔] Not Applicable
[ ]
15. Acid Rain Part Application (Hard-copy Required)
[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:
[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:
[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:
<del></del>
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
Attached, Document ID:
[ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
Attached, Document ID:
[ •] Not Applicable

Above items previously submitted, see F.J. Gannon Station Title V permit application.

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

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

1. Type of Emissions Unit Addressed in This Section: (Check one)					
process or pro	[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).				
process or pro	[ ] 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. Regulated or Un	regulated Emissions Unit	? (Check one)	_		
[ ~] The emissions emissions unit		nissions Unit Information Sec	ction is a regulated		
[ ] The emissions emissions unit		nissions Unit Information Sec	ction is an unregulated		
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Unit 3 "wet" bottom, cyclone firing Babcock-Wilcox Corporation fossil fuel fired steam boiler generating unit. Fuels fired in Unit 3 include coal, on-specification used oil, coal/wood-derived (WDF) blend, and No. 2 fuel oil.					
	dentification Number:		[ ] No ID		
ID: <b>003</b>			[ ] ID Unknown		
5. Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?		
Status Code:  A	Date:	Group S1C Code: 49	[ •]		
9. Emissions Unit	Comment: (Limit to 500 C	Characters)			

#### Emissions Unit Information Section 3 of 4

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

	Emissions Chit Conti of Equipment			
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):			
	Electrostatic Precipitator (ESP)			
2.	Control Device or Method Code(s): 010 (electrostatic precipitator – high efficiency)			

#### **Emissions Unit Details**

1.	Package Unit:	
	Manufacturer: Babcock-Wilcox Corporation	Model Number:
2.	Generator Nameplate Rating: 179.5 MW	
3.	Incinerator Information:	
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

### B. EMISSIONS UNIT CAPACITY INFORMATION (Regulated Emissions Units Only)

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

1.	Maximum Heat Input Rate:	1,599 mmBtu/hr		
2.	Maximum Incineration Rate:	lb/hr		tons/day
3.	3. Maximum Process or Throughput Rate:			
4.	Maximum Production Rate:			
5.	Requested Maximum Operating	Schedule:		
	24	hours/day	7	days/week
	52	weeks/year	8,760	hours/year
6.	Operating Capacity/Schedule C	omment (limit to 200 characters	):	
		•		

# C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### List of Applicable Regulations

See Title V permit application	

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

### D. EMISSION POINT (STACK/VENT) INFORMATION (Regulated Emissions Units Only)

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

1. Identification of Point on P	lot Plan or	2. Emission Point Type Code:		
Flow Diagram? CS-003		1		
3. Descriptions of Emission P	oints Comprising	this Emissions I	Init for VE Tracking	(limit to
100 characters per point):	omis Comprising	g tills Ellissions (	Jill for VE Hacking	(111111110
N/A				
A IDNI al Description	CDi II	- '4 '41- 4 <mark>1- ' T</mark> '	-sian Deintin Comm	
4. lD Numbers or Description	is of Emission Ui	nits with this Emi	ssion Point in Comine	on:
N/A				
5. Discharge Type Code:	6. Stack Heig		7. Exit Diameter:	
V	315	feet	<b>10.6</b> feet	
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:	
290 °F	Rate:		To water vapor	%
	537,25	59 acfm		
11. Maximum Dry Standard Fl		12. Nonstack Er	nission Point Height:	•
	dscfm			feet
13. Emission Point UTM Coor	dinates:			
Zone: East (km): North (km):				
14. Emission Point Comment (	ilmit to 200 char	acters):		

### E. SEGMENT (PROCESS/FUEL) INFORMATION (All Emissions Units)

<b>Segment Description</b>	and Rate:	Segment	1	of	2

1. Segment Description (Process/Fuel Type) (limit to 500 characters):					
Fossil fuel steam generator fired with coal and coal/wood-derived fuel (WDF) blends.					
2. Source Classification Cod	e (SCC):	3. SCC Units	s:		
1-01-002-03	, ,	tons	burned (all solid fuels)		
4. Maximum Hourly Rate: 65.0	5. Maximum Annual Rate: 569,400		6. Estimated Annual Activity Factor:		
7. Maximum % Sulfur: 1.30	8. Maximum 9		9. Million Btu per SCC Unit: 25		
1.30 7.90 25  10. Segment Comment (limit to 200 characters): i. Fluxing agents may be added to fuels. j. Fuels may be supplemented with on-specification used oil up to 1,000,000 gallons in any consecutive 12 month period. k. Nonhazardous boiler chemical cleaning waste may be injected up to 50 gallons per minute and up to 960,000 gallons in any consecutive 12 month period. l. Total quantity of WDF fired in Units 1-4 shall not exceed 56,940 tons in any consecutive 12 month period.  Segment Description and Rate: Segment 2 of 2					
Segment Description (Process/Fuel Type ) (limit to 500 characters):  Fossil fuel steam generator fired with No. 2 fuel oil.					
2. Source Classification Code	e (SCC):	3. SCC Unit			
1-01-005-01			usand Gallons Burned		
4. Maximum Hourly Rate: 1.08	5. Maximum A		6. Estimated Annual Activity Factor:		
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: <b>0.1</b>		9. Million Btu per SCC Unit: 136		
10. Segment Comment (limit to 200 characters):  No. 2 fuel oil used during startups, shutdowns, malfunctions, and for flame stabilization.					

### F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
1 – PM	010		EL
2 – SO2			EL
3 – NOX			NS
4 – CO			NS
5 - PM10			NS
6 – SAM			NS
7 – VOC			NS
8 - H106 (HCl)			NS
9 – H107 (HF)			NS
10 - HAPS			NS
	<del>-</del>		

#### Emissions Unit Information Section 3 of 4

#### Pollutant Detail Information Page 1 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### **Emissions-Limited and Preconstruction Review Pollutants Only)**

#### **Potential/Fugitive Emissions**

1. Pollutant Emitted: PM	2. Total Percent Efficie	_
	99.	
3. Potential Emissions:		4. Synthetically
479.7 lb/hour	875.5 tons/year	Limited? [ ]
5. Range of Estimated Fugitive Emissions:	to to	
		ns/year
6. Emission Factor: 0.1 lb/106 Btu, 0.3 lb/106	Btu	7. Emissions
Reference: Allowable Emission Rat	es	Method Code: 0
8. Calculation of Emissions (limit to 600 chara	acters):	
Hourly emission rate based on 0.3 lb PM  Annual rate based on 0.1 lb PM/10 <sup>6</sup> Btu  PM/10 <sup>6</sup> Btu (soot blowing) for 3 hrs/dy.	(non-soot blowing) for	21 hrs/dy and 0.3 lb
9. Pollutant Potential/Fugitive Emissions Com	•	
Allowable Emissions Allowable Emissions1	of2_	
Basis for Allowable Emissions Code:     Rule	2. Future Effective Da Emissions:	ate of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
0.1 lb/106 Btu (non-soot blowing)	159.9 lb/hour	N/A tons/year
5. Method of Compliance (limit to 60 character EPA Reference Methods 5, 5B, 5F, or 17.		
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to	o 200 characters):
Rule 62-296.405(1)(b), F.A.C.		

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#### Emissions Unit Information Section 3 of 4 Pollutant Detail Information Page 2 of 11

#### Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable		
L	Rule	Emissions:		
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
	0.3 lb/10 <sup>6</sup> Btu (soot blowing)		<b>479.7</b> lb/hour <b>N</b> /.	A tons/year
5.	5. Method of Compliance (limit to 60 characters):			
EPA Reference Methods 5, 5B, 5F, or 17.				
6.	Allowable Emissions Comment (Desc. of Op	erat	ing Method) (limit to 200 cl	aracters):
	Rule 62-210.700(3), F.A.C.			

#### Emissions Unit Information Section 3 of 4

#### Pollutant Detail Information Page 3 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: SO <sub>2</sub>	2. Total Percent Efficiency of Control:		
3. Potential Emissions:		4. Synthetically	
3,837.6 lb/hour	16,808.7 tons/year	Limited? [ ✓]	
5. Range of Estimated Fugitive Emissions:			
[ ] 1 [ ] 2 [ ] 3	to to:	ns/year	
6. Emission Factor: 2.4 lb/10 <sup>6</sup> Btu		7. Emissions	
Reference: SIP Allowable Emission	Limit	Method Code: 0	
8. Calculation of Emissions (limit to 600 chara	cters):		
<ol> <li>Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):</li> <li>Unit 3 is also subject the F.J. Gannon Station SO<sub>2</sub> Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.</li> </ol>			
Allowable Emissions 1 of 2			
Basis for Allowable Emissions Code:     Rule	2. Future Effective Da Emissions:	ate of Allowable	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:	
2.4 lb/10 <sup>6</sup> Btu	3,837.6 lb/hour	16,808.7 tons/year	
5. Method of Compliance (limit to 60 characters): EPA Reference Methods 6, 6A, 6B, or 6C and CEMS (for emission limits specified by Condition J.4 of Title V Permit No. 0570040-002-AV).			
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to	o 200 characters):	
Unit 3 is also subject the F.J. Gannon Station $SO_2$ Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.			

#### Emissions Unit Information Section 3 of 4

#### Pollutant Detail Information Page 4 of 11

#### Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable		
	Rule	Emissions:		
3.	Requested Allowable Emissions and Units:	4.	Equivalent Allowable Emissions:	
	10.6 tons/hr		21,200.0 lb/hour 92,856.0 tons/year	
5.	5. Method of Compliance (limit to 60 characters):			
	Weekly composite fuel sampling and fuel analysis or CEMS.			
6.	6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			
	•		, ,	
	Allowable limits shown in Fields 3 and 4 are totals for Units 1 through 6.			

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#### Emissions Unit Information Section 3 of 4 Pollutant Detail Information Page 5 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1.	Pollutant Emitted: NO <sub>x</sub>	2. Total Percent Efficiency of Control:	
3.	Potential Emissions:		4. Synthetically
	<b>2,145</b> lb/hour	9,395.1 tons/year	Limited? [ ]
5.	Range of Estimated Fugitive Emissions:		
	[ ] 1 [ ] 2 [ ] 3	to to	ns/year
6.	Emission Factor: 33.0 lb/ton		7. Emissions
	Reference: AP-42		Method Code:
8.	Calculation of Emissions (limit to 600 chara	cters):	
	Potential emissions based on 65 ton/hr fu	el consumption rate.	
	Pollutant Potential/Fugitive Emissions Com		
<u>All</u>	owable Emissions Allowable Emissions	of N/A	
1.	Basis for Allowable Emissions Code:	2. Future Effective D Emissions:	ate of Allowable
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowa	ble Emissions:
	•	lb/hour	tons/year
5.	Method of Compliance (limit to 60 character	rs):	
6.	Allowable Emissions Comment (Desc. of Op	perating Method) (limit t	o 200 characters):

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#### Emissions Unit Information Section 3 of 4 Pollutant Detail Information Page 6 of 11

## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control:		
3. Potential Emissions:	4. Synthetically		
<b>32.5</b> lb/hour	142.4 tons/year Limited? [ ]		
5. Range of Estimated Fugitive Emissions:	-		
[ ] 1 [ ] 2 [ ] 3	to tons/year		
6. Emission Factor: 0.5 lb/ton	7. Emissions		
Reference: AP-42	Method Code:		
8. Calculation of Emissions (limit to 600 chara	acters):		
Potential emissions based on 65 ton/hr fu			
Allowable Emissions Allowable Emissions	of <b>N</b> /A		
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
	lb/hour tons/year		
5. Method of Compliance (limit to 60 character	rs):		
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):		

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#### Emissions Unit Information Section 3 of 4 Pollutant Detail Information Page 7 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: PM <sub>10</sub>	2. Total Percent Efficiency of Control:
<ul> <li>3. Potential Emissions:</li> <li>133.3 lb/hour</li> <li>5. Range of Estimated Fugitive Emissions:</li> </ul>	583.4 tons/year 4. Synthetically Limited? [ ]
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 2.05 lb/ton Reference: AP-42	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 chara	
Potential emissions based on 65 ton/hr fu Emission estimates are provided for filter	tel consumption rate and 7.9% ash content. rable $PM_{10}$ .
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
Allowable Emissions Allowable Emissions	of N/A
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:	
3. Potential Emissions:		4. Synthetically
<b>7.2</b> lb/hour	31.3 tons/year	Limited? [ ]
5. Range of Estimated Fugitive Emissions:		
[ ] 1 [ ] 2 [ ] 3	to to:	ns/year
6. Emission Factor: 0.11 lb/ton	, ·	7. Emissions
Reference: AP-42		Method Code: 3
8. Calculation of Emissions (limit to 600 chara  Potential emissions based on 65 ton/hr fu	,	
Emission estimates are provided for (TNMOC).	total non-methane	organic compounds
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	iters):
Allowable Emissions Allowable Emissions	of <b>N</b> /A	<i>,</i>
Basis for Allowable Emissions Code:	2. Future Effective Da Emissions:	ate of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
	lb/hour	tons/year
5. Method of Compliance (limit to 60 character	rs):	
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to	o 200 characters):

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#### Emissions Unit Information Section 3 of 4 Pollutant Detail Information Page 9 of 11

## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### **Emissions-Limited and Preconstruction Review Pollutants Only)**

#### Potential/Fugitive Emissions

1. Pollutant Emitted: HCl	2. Total Percent Efficie	ency of Control:
3. Potential Emissions:	_	4. Synthetically
78.0 lb/hour	341.6 tons/year	Limited? [ ]
5. Range of Estimated Fugitive Emissions:		
[ ] 1 [] 2 [ ] 3	to to	ns/year
6. Emission Factor: 1.2 lb/ton		7. Emissions
Reference: AP-42		Method Code:
		3
8. Calculation of Emissions (limit to 600 chara	cters):	
Potential emissions based on 65 ton/hr fu	el consumption rate.	
Allowable Emissions Allowable Emissions	of N/A	
1. Basis for Allowable Emissions Code:	2. Future Effective Da Emissions:	ate of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
	lb/hour	tons/year
5. Method of Compliance (limit to 60 character	rs):	
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to	o 200 characters):

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#### Pollutant Detail Information Page 10 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: HF	2. Total Percent Efficiency of Control:
3. Potential Emissions: 9.8 lb/hour	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions:  [ ] 1 [ ] 2 [ ] 3	totons/year
6. Emission Factor: 0.15 lb/ton  Reference: AP-42	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 chara  Potential emissions based on 65 ton/hr fr	•
	•
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
Allowable Emissions Allowable Emissions	ofN/A
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 characte	
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):

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#### Emissions Unit Information Section 3 of 4 Pollutant Detail Information Page 11 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: SAM	2. Total Percent Efficie	ency of Control:
		•
3. Potential Emissions:		4. Synthetically
<b>14.3</b> lb/hour	62.6 tons/year	Limited? [ ✓]
5. Range of Estimated Fugitive Emissions:		
	to to	ns/year
6. Emission Factor: 0.22 lb/ton		7. Emissions
Reference: AP-42		Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):	
Potential emissions based on 65 ton/hr fu Emissions estimated assuming 0.7% of conversion of SO <sub>3</sub> to H <sub>2</sub> SO <sub>4</sub> mist.	•	
Allowable Emissions Allowable Emissions	of N/A	
Basis for Allowable Emissions Code:	2. Future Effective Da Emissions:	ate of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
	lb/hour	tons/year
5. Method of Compliance (limit to 60 character	rs):	
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit t	o 200 characters):

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1. Visible Emissions Subtype:

### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

2. Basis for Allowable Opacity:

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>5</u>

	VE20	[ 🗸] Rule	[ ] Other	
3.	Requested Allowable Opacity:			
	Normal Conditions: 20 % Ex	27 %		
	Maximum Period of Excess Opacity Allowe	6 min/hour		
4.	Method of Compliance:			
	Continuous opacity monitoring system (C	COMS).		
_	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
5.	Visible Emissions Comment (limit to 200 c	haracters):		
	D1. (2.20(.405(1)/) E.A.C			
	Rule 62-296.405(1)(a), F.A.C.			
<b>1</b> 7*	-911 15	T 1 1 1 0 0 0		
<u>V1</u>	sible Emissions Limitation: Visible Emissi	ons Limitation 2 of		
1.	Visible Emissions Subtype:	2. Basis for Allowable	Opacity:	
	VE60	[ 🗸 ] Rule	[ ] Other	
3.	Requested Allowable Opacity:			
	Normal Conditions:  % Exception	al Conditions:	60 %	
	Maximum Period of Excess Opacity Allowe	ed:	60 min/hour	
4.	Method of Compliance:			
	Continuous opacity monitoring system (COMS).			
5.	Visible Emissions Comment (limit to 200 a)	h omo ot omo).		
٦.	Visible Emissions Comment (limit to 200 cl	naracters).		
	Maximum period of excess opacity allowe	od for 3 hours in any 24	-hour period	
	Rule 62-210.700(3), F.A.C.	d for 5 hours in any 24	-nour periou.	
	11010 02 2101/00(5), 1 1/1·C·			

### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>3</u> of <u>5</u>

1.	Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:
	VE100	[ 🗸 ] Rule	[ ] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: % Ex	ceptional Conditions:	100 %
	Maximum Period of Excess Opacity Allowe	ed:	24 min/hour
4.	Method of Compliance:		
	Continuous opacity monitoring system (C	COMS).	
5.	Visible Emissions Comment (limit to 200 cl	haracters):	
	D1. (2.206.405(1)(-), E.A.C.		
	Rule 62-296.405(1)(a), F.A.C.		
	•		
~ ~			· -
Visi	ible Emissions Limitation: Visible Emission	ons Limitation <u>4</u> of	5_5_
	ible Emissions Limitation: Visible Emissions Visible Emissions Subtype:	ons Limitation <u>4</u> of 2. Basis for Allowable	<del></del>
			<del></del>
1.	Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity:	2. Basis for Allowable	e Opacity:
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity:	2. Basis for Allowable  [ ~] Rule  al Conditions:	e Opacity:
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity:  Normal Conditions: % Exception	2. Basis for Allowable  [ ~] Rule  al Conditions:	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity:  Normal Conditions: % Exception	2. Basis for Allowable  [ ~] Rule  al Conditions:	e Opacity:  [ ] Other  100 %
3. 4.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity:  Normal Conditions: % Exceptions  Maximum Period of Excess Opacity Allower	2. Basis for Allowable  [ •] Rule  al Conditions:	e Opacity:  [ ] Other  100 %
3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity: Normal Conditions: % Exception: Maximum Period of Excess Opacity Allowe  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)	2. Basis for Allowable  [ ~] Rule  al Conditions:  ed:	e Opacity:  [ ] Other  100 %
3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity:  Normal Conditions: % Exception:  Maximum Period of Excess Opacity Allowed  Method of Compliance:	2. Basis for Allowable  [ ~] Rule  al Conditions:  ed:	e Opacity:  [ ] Other  100 %
1.       3.       4.       5.	Visible Emissions Subtype: VE100  Requested Allowable Opacity: Normal Conditions: % Exception: Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous Opacity Monitoring System)  Visible Emissions Comment (limit to 200 ch	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %
1.       3.       4.       5.	Visible Emissions Subtype: VE100  Requested Allowable Opacity: Normal Conditions: % Exceptions Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 chemostrate)  Excess opacity allowed for boiler startups	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %
1.       3.       4.       5.	Visible Emissions Subtype: VE100  Requested Allowable Opacity: Normal Conditions: % Exception: Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous Opacity Monitoring System)  Visible Emissions Comment (limit to 200 ch	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %
1.       3.       4.       5.	Visible Emissions Subtype: VE100  Requested Allowable Opacity: Normal Conditions: % Exceptions Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 chemostrate)  Excess opacity allowed for boiler startups	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %

### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation 5 of 5

1.	Visible Emissions Subtype:	2. Basis for Allowable Op	pacity:
	VE100	[ •] Rule [	] Other
3.	Requested Allowable Opacity:		
		ceptional Conditions:	100 %
	Maximum Period of Excess Opacity Allowe	ed:	60 min/hour
	M.1. 1. CO. 1		
4.	Method of Compliance:	COMC)	
	Continuous opacity monitoring system (C	LOMS).	
5.	Visible Emissions Comment (limit to 200 cl	haracters):	
	·		
	Excess opacity allowed for startups, shute	downs, and malfunctions.	
	Rule 62-210.700(1), F.A.C.		
		<u> </u>	
<b>T</b> 7*		C. C.	
VI	sible Emissions Limitation: Visible Emissi	ons Limitation of	
1.	Visible Emissions Subtype:	2. Basis for Allowable Op	acity:
		[ ] Rule [	] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: % Exception		%
	Maximum Period of Excess Opacity Allowe	ed:	min/hour
	Method of Compliance:		
┑.	Wellod of Compilance.		
5.	Visible Emissions Comment (limit to 200 cl	naracters):	

### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 1 of 5

1. Parameter Code: VE	2. Pollutant(s):
3. CMS Requirement:	[ i ] Rule [ ] Other
4. Monitor Information:  Manufacturer: Thermo Environmenta  Model Number: M400	ol Corporation Serial Number: 400B-3500
5. Installation Date: 10/01/93	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 20  Required by 40 CFR Part 75 (Acid Rain F.A.C.  System includes one opacity monitor.	,
System mendes one spacity monitor.	·
Continuous Monitoring System: Continuous	s Monitor 2 of 5
1. Parameter Code: EM	2. Pollutant(s): SO <sub>2</sub>
3. CMS Requirement:	[ \( \bigcap \) Rule [ ] Other
<ul> <li>4. Monitor Information:         Manufacturer: Thermo Environmenta         Model Number: 43B     </li> <li>5. Installation Date: 07/01/94</li> </ul>	Serial Number: 43B-48171-279  6. Performance Specification Test Date:
Required by 40 CFR Part 75 (Acid Rain Program) and Rule 62-296.405(1)(f)b., F.A.C.  System includes one SO <sub>2</sub> monitor, with one backup system shared among Units 1, 2, and 3.	

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### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 3 of 5

1. Parameter Code: EM	2. Pollutant(s): NO <sub>x</sub>
3. CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other
4. Monitor Information: Manufacturer: Thermo Environment Model Number: 42D	tal Corporation Serial Number: 42D-47872-279
5. Installation Date: 07/01/94	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 2	00 characters):
Required by 40 CFR Part 75 (Acid Rais System includes one NO <sub>2</sub> monitor, with and 3.	n Program). one backup system shared among Units 1, 2,
Continuous Monitoring System: Continuou	us Monitor 4 of 5
1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other
4. Monitor Information:  Manufacturer: USI  Model Number: 100	Serial Number: 9401629
5. Installation Date: 07/01/94	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):  Required by 40 CFR Part 75 (Acid Rain Program).  System includes one flow monitor.	

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### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 5 of 5

		<del></del>
1.	Parameter Code: CO2	2. Pollutant(s):
3.	CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other
4.	Monitor Information:	
	Manufacturer: Siemens	
	Model Number: 5E	Serial Number: E3-727
5.	Installation Date: 07/01/94	6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200	characters):
ļ		
	Required by 40 CFR Part 75 (Acid Rain 1	Program).
	System includes one CO2 monitor, with or	ne backup system shared among Units 1, 2,
	and 3.	
		<del>-</del>
Co	ntinuous Monitoring System: Continuous	Monitor of
1.	Parameter Code:	2. Pollutant(s):
3.	CMS Requirement:	[ ] Rule [ ] Other
4.	Monitor Information:	
	Manufacturer:	
	Model Number:	Serial Number:
5.	Installation Date:	6. Performance Specification Test Date:
7.	7. Continuous Monitor Comment (limit to 200 characters):	
' '		
	Continuous Monitor Comment (mint to 200	<i></i>
	Communication Common (min to 200	<i></i>
	Communication Comment (mint to 200	
	Communication Common (mint to 200	
	Communication Comment (mint to 200	
	Communication Common (mint to 200	

#### J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

#### **Supplemental Requirements**

1.	Process Flow Diagram
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID:[ ~] Not Applicable [ ] Waiver Requested
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [ ✓] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[ ] Attached, Document ID:
	[ ] Previously submitted, Date:
	[ ✓] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [ ✓] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ~] Not Applicable
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [ ✔] Not Applicable
10.	Supplemental Requirements Comment:
	Items 1 through 7 previously submitted - see F.J. Gannon Station Title V permit application.

#### Emissions Unit Information Section 3 of 4

#### Additional Supplemental Requirements for Title V Air Operation Permit Applications

11 Alexander Mail along Commedian
11. Alternative Methods of Operation
[ ] Attached, Document ID: [ ~] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID: [ ~] Not Applicable
13. Identification of Additional Applicable Requirements
[ ] Attached, Document ID: [ ✔] Not Applicable
14. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID: [ ✔] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:
Attached, Document ID
[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:
New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
Attached, Document ID:
<del></del>
[ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
Attached, Document ID:
[ ✓ ] Not Applicable

Above items previously submitted, see F.J. Gannon Station Title V permit application.

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

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

1. Type of Emissions Unit Addressed in This Section: (Check one)			
process or pro	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).		
process or pro	] 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.		
		on addresses, as a single emis es which produce fugitive em	-
2. Regulated or U	nregulated Emissions Unit	? (Check one)	
[ •] The emission emissions uni		nissions Unit Information Sec	ction is a regulated
[ ] The emission emissions uni		nissions Unit Information Sec	ction is an unregulated
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Unit 4 "wet" bottom, cyclone firing Babcock-Wilcox Corporation fossil fuel fired steam boiler generating unit. Fuels fired in Unit 4 include coal, on-specification used oil, coal/wood-derived (WDF) blend, and No. 2 fuel oil.			
4. Emissions Unit ID: 004	.,		
5. Emissions Unit Status Code:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit?
9. Emissions Unit	Comment: (Limit to 500 (	Characters)	

#### Emissions Unit Information Section 4 of 4

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

Emissions one control equipment		
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):	
	Electrostatic Precipitator (ESP)	
2.	Control Device or Method Code(s): 010 (electrostatic precipitator – high efficiency)	

#### **Emissions Unit Details**

1.	Package Unit:	Model Niveshow
	Manufacturer: Babcock-Wilcox Corporation	Model Number:
2.	Generator Nameplate Rating: 187.5 MW	
3.	Incinerator Information:	
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

### B. EMISSIONS UNIT CAPACITY INFORMATION (Regulated Emissions Units Only)

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

1.	Maximum Heat Input Rate:	1,876 mmBtu/hr	_	
2.	Maximum Incineration Rate:	lb/hr		tons/day
3.	Maximum Process or Throughp	ut Rate:		
4.	Maximum Production Rate:			
5.	Requested Maximum Operating	Schedule:		
	24	hours/day	7	days/week
	52	weeks/year	8,760	hours/year
6.	Operating Capacity/Schedule Co	omment (limit to 200 charae	cters):	

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### C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### List of Applicable Regulations

See Title V permit application	

### D. EMISSION POINT (STACK/VENT) INFORMATION (Regulated Emissions Units Only)

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

1.	Identification of Point on P	ation of Point on Plot Plan or 2. Emission Point Type Code:							
	Flow Diagram? CS-004A &	& CS-004B	3						
	<u> </u>		.1: 50	7 1 1 0 7 T T T T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(1)				
3.	1 0								
	100 characters per point):								
	Unit 4								
	Omt 4								
4.	1D Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Commo	n:				
	N/A								
5	Discharge Type Code:	6. Stack Heigh	ht·	7. Exit Diameter:					
٦.	V	_	feet	7. Exit Diameter.  9.6 feet					
	·	300	1001	<b>7.0</b> 1001					
8.	Exit Temperature:	9. Actual Volu	umetric Flow	10. Water Vapor:					
	<b>277</b> °F	Rate:		_	%				
			00 acfm						
11.	Maximum Dry Standard Flo		12. Nonstack Er	nission Point Height:					
		dscfm		1	eet				
13.	Emission Point UTM Coord	linates:							
		ast (km):	Mont	ı (km):					
		•		– — — — — — — — — — — — — — — — — — — —					
14.	Emission Point Comment (l	imit to 200 chara	acters):						
	Two identical stacks serve	Unit 4 Field 0	flow rate is total	for both stooks					
	) wo juditical stacks selve	Ollit 4. Field 9	now rate is total	ioi both stacks.					

### E. SEGMENT (PROCESS/FUEL) INFORMATION (All Emissions Units)

Segment Description and	Rate:	Segment	1	of	2	

1. Segment Description (Process/Fuel Type) (limit to 500 characters):

rossii idei steam generator ifred with coal and coal/wood-derived luel (wDr) blends.						
2. Source Classification Cod	e (SCC):	3. SCC Units	s:			
1-01-002-03				ned (all solid fuels)		
4. Maximum Hourly Rate: 80.0	•					
7. Maximum % Sulfur:	8. Maximum 9		9.	Million Btu per SCC Unit:		
1.30	7.9			25		
10. Segment Comment (limit						
m. Fluxing agents may b						
		specification us	sed o	oil up to 1,000,000 gallons		
in any consecutive 12	•					
		•		jected up to 50 gallons per		
minute and up to 960		•		-		
p. Total quantity of WD		1-4 shall not e	xcee	d 56,940 tons in any		
consecutive 12 month	period.					
Segment Description and Ra	te: Segment 2	of 2				
1. Segment Description (Prod	cess/Fuel Type)	(limit to 500 cl	narac	eters):		
Fossil fuel steam generat	or fired with No	. 2 fuel oil.				
2. Source Classification Code	e (SCC):	3. SCC Unit	is:			
1-01-005-01	()			nd Gallons Burned		
4. Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity		
1.08	700			Factor:		
7. Maximum % Sulfur:	8. Maximum %	6 Ash:	9.	Million Btu per SCC Unit:		
0.5	0.3	1		136		
10. Segment Comment (limit t	o 200 characters)	 ):	•			
,	Ź					
No. 2 fuel oil used during	startups, shutd	owns, malfunc	tion	s, and for flame		
stabilization.						

### F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
-			
1 – PM	010		EL
2 – SO2			EL
		-	
3 – NOX			NS
<i>b</i> 1.011			
4 – CO			NS
4-00			140
5 D3.510			NC
5 – PM10			NS
6 – SAM			NS
7 – <b>VOC</b>			NS
8 – H106 (HCl)			NS
9-H107 (HF)			NS
10 - HAPS			NS
IV MAIS			110
-			
			·
		-	

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#### Emissions Unit Information Section 4 of 4

#### Pollutant Detail Information Page 1 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

**Emissions-Limited and Preconstruction Review Pollutants Only)** 

#### Potential/Fugitive Emissions

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control: 99.07
3. Potential Emissions:	4. Synthetically
562.8 lb/hour	1,027.1 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
	to tons/year
6. Emission Factor: 0.1 lb/10 <sup>6</sup> Btu, 0.3 lb/10 <sup>6</sup>	Btu 7. Emissions
Reference: Allowable Emission Rat	Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):
Hourly emission rate based on 0.3 lb PM	
	(non-soot blowing) for 21 hrs/dy and 0.3 lb
PM/10 <sup>6</sup> Btu (soot blowing) for 3 hrs/dy.	
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
	·
Allowable Emissions Allowable Emissions 1	of <u>2</u>
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
Rule	Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
0.1 lb/10 <sup>6</sup> Btu (non-soot blowing)	187.6 lb/hour N/A tons/year
5. Method of Compliance (limit to 60 characte	rs):
EPA Reference Methods 5, 5B, 5F, or 17.	
6. Allowable Emissions Comment (Desc. of O	nerating Method) (limit to 200 characters):
0. Allowable Elmissions Comment (Desc. of C	perating Methody (mint to 200 characters).
Rule 62-296.405(1)(b), F.A.C.	

#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 2 of 11

#### Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable	
Rule	Emissions:	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:	
0.3 lb/106 Btu (soot blowing)	562.8 lb/hour N/A tons/year	
5. Method of Compliance (limit to 60 characters	s):	
EPA Reference Methods 5, 5B, 5F, or 17.		
6. Allowable Emissions Comment (Desc. of Op	erating Method) (limit to 200 characters):	
Rule 62-210.700(3), F.A.C.		

#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 3 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

#### **Potential/Fugitive Emissions**

1.	Pollutant Emitted: SO <sub>2</sub>	2. Total	Percent Eff	ficiency of Control:
3.	Potential Emissions:			4. Synthetically
	<b>4,502.4</b> lb/hour	19,720.5	tons/year	Limited? [ ✓ ]
5.	Range of Estimated Fugitive Emissions:			
			_ to	tons/year
6.	Emission Factor: 2.4 lb/10 <sup>6</sup> Btu			7. Emissions
	Reference: SIP Allowable Emission  Calculation of Emissions (limit to 600 characteristics)			Method Code:
9.	Pollutant Potential/Fugitive Emissions Communit 4 is also subject the F.J. Gannon Stat J.4 of Title V Permit No. 0570040-002-AV	tion SO <sub>2</sub> (		·
<u>All</u>	owable Emissions Allowable Emissions 1	of2	_	
1.	Basis for Allowable Emissions Code: Rule		re Effective ssions:	Date of Allowable
3.	Requested Allowable Emissions and Units:	4. Equi	valent Allo	wable Emissions:
	2.4 lb/10 <sup>6</sup> Btu	4,	,502.4 lb/h	our 19,720.5 tons/year
5.	Method of Compliance (limit to 60 character	•		
	EPA Reference Methods 6, 6A, 6B, or 6C Condition J.4 of Title V Permit No. 05700			sion limits specified by
6.	Allowable Emissions Comment (Desc. of Op	perating M	lethod) (lim	it to 200 characters):
	Unit 4 is also subject the F.J. Gannon Sta J.4 of Title V Permit No. 0570040-002-AV	-	Complianc	e Plan – see Condition

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#### Emissions Unit Information Section 4 of 4

#### Pollutant Detail Information Page 4 of 11

#### Allowable Emissions Allowable Emissions 2 of 2

1.	Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable			
	Rule		Emissions:		
3.	Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	10.6 tons/hr		21,200.0 lb/hour 92,856.0 tons/year		
5.	Method of Compliance (limit to 60 character	ers):			
	Weekly composite fuel sampling and fuel	composite fuel sampling and fuel analysis or CEMS.			
6.	Allowable Emissions Comment (Desc. of Op	erat	ing Method) (limit to 200 characters):		
	Allowable limits shown in Fields 3 and 4 are totals for Units 1 through 6.				

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#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 5 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: NO <sub>x</sub>	2. Total Percent Efficiency of Control:
<ul> <li>3. Potential Emissions:</li> <li>2,640 lb/hour</li> <li>5. Range of Estimated Fugitive Emissions:</li> </ul>	11,563.2 tons/year  4. Synthetically Limited? [ ]
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 33.0 lb/ton Reference: AP-42	7. Emissions Method Code:
8. Calculation of Emissions (limit to 600 ch  Potential emissions based on 80 ton/hr	,
9. Pollutant Potential/Fugitive Emissions Co	omment (limit to 200 characters):
Allowable Emissions Allowable Emissions	of N/A
Basis for Allowable Emissions Code:	Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Unit	s: 4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 charac	eters):
6. Allowable Emissions Comment (Desc. of	Operating Method) (limit to 200 characters):

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#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 6 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
<b>40.0</b> lb/hour	175.2 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 0.5 lb/ton	7. Emissions
Reference: AP-42	Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):
Potential emissions based on 80 ton/hr fu	el consumption rate.
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
Allowable Emissions Allowable Emissions	of <b>N</b> /A
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):

#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 7 of 11

### G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### **Emissions-Limited and Preconstruction Review Pollutants Only)**

#### Potential/Fugitive Emissions

1. Pollutant Emitted: PM <sub>10</sub>	2. Total Percent Efficiency of Control:
Potential Emissions:     164.0 lb/hour      Range of Estimated Fugitive Emissions:	718.3 tons/year 4. Synthetically Limited? [ ]
[ ] 1 [ ] 2 [ ] 3	totons/year
6. Emission Factor: 2.05 lb/ton Reference: AP-42	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 chara  Potential emissions based on 80 ton/hr fu Emission estimates are provided for filte	nel consumption rate and 7.9% ash content.
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
Allowable Emissions Allowable Emissions	of <b>N</b> /A
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):

#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 8 of 11

## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1.	Pollutant Emitted: VOC	2. Total	Percent Efficie	ency of Control:
3.	Potential Emissions:			4. Synthetically
	<b>8.8</b> lb/hour	38.5 to	ns/year	Limited? [ ]
5.	Range of Estimated Fugitive Emissions:			
	[ ] 1  [ ] 2  [ ] 3		_ to to:	ns/year
6.	Emission Factor: 0.11 lb/ton			7. Emissions
	Reference: AP-42			Method Code: 3
8.	Calculation of Emissions (limit to 600 chara	cters):		
	Potential emissions based on 80 ton/hr fu Emission estimates are provided for (TNMOC).	total ne	on-methane	
		- 6	DI/A	
All	lowable Emissions Allowable Emissions	01	_ <b>N</b> /A	
1.	Basis for Allowable Emissions Code:		re Effective Da sions:	ate of Allowable
3.	Requested Allowable Emissions and Units:	4. Equiv	valent Allowal	ole Emissions:
			lb/hour	tons/year
5.	Method of Compliance (limit to 60 character	s):		
6.	Allowable Emissions Comment (Desc. of Op	perating M	ethod) (limit t	o 200 characters):

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#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 9 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: HCl	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
<b>96.0</b> lb/hour	420.5 tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	·
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 1.2 lb/ton	7. Emissions
Reference: AP-42	Method Code:
8. Calculation of Emissions (limit to 600 chara	acters):
Potential emissions based on 80 ton/hr f	
Allowable Emissions Allowable Emissions	of N/A
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
1. Dasis for Allowable Emissions Code.	Emissions:
3. Requested Allowable Emissions and Units:	
,	lb/hour tons/year
5. Method of Compliance (limit to 60 characte	ers):
6. Allowable Emissions Comment (Desc. of C	Operating Method) (limit to 200 characters):

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#### Emissions Unit Information Section 4 of 4 Pollutant Detail Information Page 10 of 11

# G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: HF	2. Total Percent Efficiency of Control:
3. Potential Emissions:  12.0 lb/hour	52.6 tons/year 4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions:  [ ] 1 [ ] 2 [ ] 3	totons/year
6. Emission Factor: 0.15 lb/ton Reference: AP-42	7. Emissions Method Code:
8. Calculation of Emissions (limit to 600 charal Potential emissions based on 80 ton/hr fu	,
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
Allowable Emissions Allowable Emissions	of N/A
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):

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## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: SAM	2. Total Percent Efficiency of Control:
3. Potential Emissions:	4. Synthetically
17.6 lb/hour	77.1 tons/year Limited? [ ✓ ]
5. Range of Estimated Fugitive Emissions:	
[ ] 1 [ ] 2 [ ] 3	to tons/year
6. Emission Factor: 0.22 lb/ton	7. Emissions
Reference: AP-42	Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):
Potential emissions based on 80 ton/hr fu Emissions estimated assuming 0.7% of conversion of SO <sub>3</sub> to H <sub>2</sub> SO <sub>4</sub> mist.	fuel sulfur is converted to SO <sub>3</sub> and 100%
Allowable Emissions Allowable Emissions	of <b>N</b> /A
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	s):
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):

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1. Visible Emissions Subtype:

### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

2. Basis for Allowable Opacity:

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>5</u>

	VE20	[ • ] Rule	[ ] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: 20 % Ex	ceptional Conditions:	27 %
	Maximum Period of Excess Opacity Allow	ed:	6 min/hour
4.	4		
	Continuous opacity monitoring system (	COMS).	
5.	Visible Emissions Comment (limit to 200 c	haracters):	
	Rule 62-296.405(1)(a), F.A.C.		
<u>Vi</u>	sible Emissions Limitation: Visible Emiss	ions Limitation <u>2</u> c	of _5_
	Visible Emissions Subtype:	ions Limitation 2 c	
	Visible Emissions Subtype: VE60	2. Basis for Allowab	le Opacity:
1.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity:	2. Basis for Allowab	le Opacity:
1.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity:	2. Basis for Allowab  [ ~] Rule  nal Conditions:	le Opacity:  [ ] Other
3.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow	2. Basis for Allowab  [ ~] Rule  nal Conditions:	le Opacity:  [ ] Other  60 %
3.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow	2. Basis for Allowab  [ •] Rule  nal Conditions:	le Opacity:  [ ] Other  60 %
3.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow  Method of Compliance:	2. Basis for Allowab [ ~] Rule  nal Conditions: ed:	le Opacity:  [ ] Other  60 %
3.	Visible Emissions Subtype:  VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow  Method of Compliance: Continuous opacity monitoring system (6)	2. Basis for Allowab [ ~] Rule  nal Conditions: ed:	le Opacity:  [ ] Other  60 %
1. 3. 4.	Visible Emissions Subtype: VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity allow)	2. Basis for Allowab  [ ~] Rule  all Conditions: ed:  COMS).	le Opacity:  [ ] Other  60 % 60 min/hour
1. 3. 4.	Visible Emissions Subtype: VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow  Method of Compliance: Continuous opacity monitoring system (6)  Visible Emissions Comment (limit to 200 c)	2. Basis for Allowab  [ ~] Rule  all Conditions: ed:  COMS).	le Opacity:  [ ] Other  60 % 60 min/hour
1. 3.	Visible Emissions Subtype: VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity allow)	2. Basis for Allowab  [ ~] Rule  all Conditions: ed:  COMS).	le Opacity:  [ ] Other  60 % 60 min/hour
3.	Visible Emissions Subtype: VE60  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allow  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity allow)	2. Basis for Allowab  [ ~] Rule  all Conditions: ed:  COMS).	le Opacity:  [ ] Other  60 % 60 min/hour

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### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>3</u> of <u>5</u>

1.	Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:
	VE100	[ 🗸 ] Rule	[ ] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: % Ex	ceptional Conditions:	100 %
	Maximum Period of Excess Opacity Allowe	ed:	24 min/hour
4.			
	Continuous opacity monitoring system (C	COMS).	
5.	Visible Emissions Comment (limit to 200 c	haracters):	
).	Visible Limssions Comment (mint to 200 c.		
	Rule 62-296.405(1)(a), F.A.C.		
Vi	sible Emissions Limitation: Visible Emissi	ons Limitation 4 of	55_
	Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:
1.	Visible Emissions Subtype: VE100		
1.	Visible Emissions Subtype: VE100  Requested Allowable Opacity:	2. Basis for Allowable [ ✓] Rule	e Opacity:  [ ] Other
1.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity: Normal Conditions: % Exception	2. Basis for Allowable  [ ~] Rule  al Conditions:	e Opacity:
1.	Visible Emissions Subtype: VE100  Requested Allowable Opacity:	2. Basis for Allowable  [ ~] Rule  al Conditions:	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity:  Normal Conditions: % Exception  Maximum Period of Excess Opacity Allower	2. Basis for Allowable  [ ~] Rule  al Conditions:	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity: Normal Conditions: % Exception	2. Basis for Allowable  [ ~] Rule  al Conditions:	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)	2. Basis for Allowable [ ~] Rule al Conditions: ed:	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowed  Method of Compliance:	2. Basis for Allowable [ ~] Rule al Conditions: ed:	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity monitoring system)	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype: VE100  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity allowed for boiler startups)	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype:  VE100  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity monitoring system)	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %
3.	Visible Emissions Subtype: VE100  Requested Allowable Opacity: Normal Conditions: % Exception Maximum Period of Excess Opacity Allowed  Method of Compliance: Continuous opacity monitoring system (Continuous opacity monitoring system)  Visible Emissions Comment (limit to 200 continuous opacity allowed for boiler startups)	2. Basis for Allowable [ ~] Rule al Conditions: ed:  COMS).	e Opacity:  [ ] Other  100 %

### H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation 5 of 5

4 72 21 70 1 1 10 1	0 70 1 6 411 11	0 1:
1. Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:
VE100	[ <b>~</b> ] Rule	[ ] Other
3. Requested Allowable Opacity:		
Normal Conditions: %	Exceptional Conditions:	100 %
Maximum Period of Excess Opacit	-	60 min/hour
	y · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •
4. Method of Compliance:		
Continuous opacity monitoring s	vstem (COMS).	
and the second of the second o	, (	
5. Visible Emissions Comment (limit	to 200 characters):	
Excess opacity allowed for startu	ps, shutdowns, and malfunction	ns.
Rule 62-210.700(1), F.A.C.	_	
, , ,		
Visible Emissions Limitations Visible	a Emissions Limitation of	•
Visible Emissions Limitation: Visible	e Emissions Limitation of	· ———
Visible Emissions Limitation: Visible  1. Visible Emissions Subtype:		
	e Emissions Limitation of  2. Basis for Allowable  [ ] Rule	
1. Visible Emissions Subtype:	2. Basis for Allowable	e Opacity:
<ol> <li>Visible Emissions Subtype:</li> <li>Requested Allowable Opacity:</li> </ol>	2. Basis for Allowable [ ] Rule	e Opacity:
<ol> <li>Visible Emissions Subtype:</li> <li>Requested Allowable Opacity:         Normal Conditions:         % Example 1     </li> </ol>	2. Basis for Allowable  [ ] Rule  xceptional Conditions:	e Opacity:  [ ] Other
<ol> <li>Visible Emissions Subtype:</li> <li>Requested Allowable Opacity:</li> </ol>	2. Basis for Allowable     [ ] Rule  xceptional Conditions:	e Opacity: [ ] Other
Visible Emissions Subtype:     Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity	2. Basis for Allowable     [ ] Rule  xceptional Conditions:	e Opacity:  [ ] Other
<ol> <li>Visible Emissions Subtype:</li> <li>Requested Allowable Opacity:         Normal Conditions:         % Example 1     </li> </ol>	2. Basis for Allowable     [ ] Rule  xceptional Conditions:	e Opacity:  [ ] Other
Visible Emissions Subtype:     Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity	2. Basis for Allowable     [ ] Rule  xceptional Conditions:	e Opacity:  [ ] Other
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity      Method of Compliance:	2. Basis for Allowable  [ ] Rule  xceptional Conditions: y Allowed:	e Opacity:  [ ] Other
Visible Emissions Subtype:     Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity	2. Basis for Allowable  [ ] Rule  xceptional Conditions: y Allowed:	e Opacity:  [ ] Other
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity      Method of Compliance:	2. Basis for Allowable  [ ] Rule  xceptional Conditions: y Allowed:	e Opacity:  [ ] Other
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity      Method of Compliance:	2. Basis for Allowable  [ ] Rule  xceptional Conditions: y Allowed:	e Opacity:  [ ] Other
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity      Method of Compliance:	2. Basis for Allowable  [ ] Rule  xceptional Conditions: y Allowed:	e Opacity:  [ ] Other
Visible Emissions Subtype:      Requested Allowable Opacity:     Normal Conditions: % E.     Maximum Period of Excess Opacity      Method of Compliance:	2. Basis for Allowable  [ ] Rule  xceptional Conditions: y Allowed:	e Opacity:  [ ] Other

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1. Parameter Code: VE

### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

2. Pollutant(s):

Continuous Monitoring System: Continuous Monitor 1 of 5

3.	CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other
4.	Monitor Information:	
	Manufacturer: Thermo Environmental	Corporation
	Model Number: M701	Serial Number: <b>400-0010-3298</b>
5.	Installation Date: 12/01/83	6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200	characters):
	Required by 40 CFR Part 75 (Acid Rain l	Program) and Rule 62-296.405(1)(f)a.,
	F.A.C.	
	System includes two opacity monitors for	two stacks.
<u>Co</u>	entinuous Monitoring System: Continuous	Monitor 2 of 5
1.	Parameter Code: EM	2. Pollutant(s): SO <sub>2</sub>
3.	CMS Requirement:	[ \( \rightarrow \) Rule [ ] Other
4.	Monitor Information:	
	Manufacturer: Thermo Environmental	Corporation
	Model Number: 43B	Serial Number: 43B-47685-279
5.	Installation Date: 07/01/94	C. D. Camara and C. and Canada and Tanada Dada.
ı	Installation Date: 07/01/94	6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200	•
7.		•
7.		characters):
7.	Continuous Monitor Comment (limit to 200	characters):
7.	Continuous Monitor Comment (limit to 200  Required by 40 CFR Part 75 (Acid Rain l	characters): Program) and Rule 62-296.405(1)(f)b.,
7.	Continuous Monitor Comment (limit to 200  Required by 40 CFR Part 75 (Acid Rain l. F.A.C.	characters): Program) and Rule 62-296.405(1)(f)b.,

### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 3 of 5 2. Pollutant(s): NO. 1. Parameter Code: EM 1 Other 3. CMS Requirement: [ \ Rule 4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 42D Serial Number: 42D-47874-279 5. Installation Date: 07/01/94 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): Required by 40 CFR Part 75 (Acid Rain Program). System includes two NO2 monitors for two stacks, with one backup system shared among Units 4, 5, and 6.

Continuous Monitoring System: Continuous Monitor 4 of 5

1. Parameter Code: FLOW 2. Pollutant(s):

4. Monitor Information:
Manufacturer: USI

3. CMS Requirement:

5. Installation Date:

Manufacturer: USI Model Number: 100

100 Serial Number: 9401628

[ ~ ] Rule

] Other

6. Performance Specification Test Date:

7. Continuous Monitor Comment (limit to 200 characters):

07/01/94

Required by 40 CFR Part 75 (Acid Rain Program). System includes two flow monitors for two stacks.

### I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 5 of 5

		<del></del>
1.	Parameter Code: CO2	2. Pollutant(s):
3.	CMS Requirement:	[ \ Rule [ ] Other
4.	Monitor Information:	
	Manufacturer: Siemens	
	Model Number: 5E	Serial Number: D9-572
5.	Installation Date: 07/01/94	6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200	characters):
	D	<b>n</b>
	Required by 40 CFR Part 75 (Acid Rain	•
	System includes two CO <sub>2</sub> monitors for tw	o stacks, with one backup system shared
	among Units 4, 5, and 6.	
<u>Co</u>	ntinuous Monitoring System: Continuous	Monitor of
<u>Co</u>	Parameter Code:	Monitor of  2. Pollutant(s):
1. 3.		
1. 3.	Parameter Code:	2. Pollutant(s):
1. 3.	Parameter Code:  CMS Requirement:	2. Pollutant(s):
1. 3.	Parameter Code:  CMS Requirement:  Monitor Information:	2. Pollutant(s):
1. 3.	Parameter Code:  CMS Requirement:  Monitor Information: Manufacturer:	2. Pollutant(s):  [ ] Rule [ ] Other
1. 3. 4.	Parameter Code:  CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
1. 3. 4.	Parameter Code:  CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:	2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
1. 3. 4.	Parameter Code:  CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
1. 3. 4.	Parameter Code:  CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
1. 3. 4.	Parameter Code:  CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
1. 3. 4.	Parameter Code:  CMS Requirement:  Monitor Information:  Manufacturer:  Model Number:  Installation Date:	2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:

### J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

#### **Supplemental Requirements**

1.	Process Flow Diagram
	[ ] Attached, Document ID: [ ✔] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID:[ ~] Not Applicable [ ] Waiver Requested
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [ ✓] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[ ] Attached, Document ID:
	Previously submitted, Date:
	[ ~] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [ ✓] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [ ~] Not Applicable [ ] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ✔] Not Applicable
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [ ✔] Not Applicable
10.	Supplemental Requirements Comment:
	Items 1 through 7 previously submitted - see F.J. Gannon Station Title V permit application.

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#### Emissions Unit Information Section 4 of 4

#### Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[ ] Attached, Document ID: [ ~] Not Applicable
·
12. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID: [ ✔] Not Applicable
13. Identification of Additional Applicable Requirements
[ ] Attached, Document ID: [ ✔] Not Applicable
14. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID: [ ~] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:
Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:
[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
Attached, Document ID:
[ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
Attached, Document ID:
[ ✓] Not Applicable

Above items previously submitted, see F.J. Gannon Station Title V permit application.