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APR 15 2002

BUREAU OF AIR REGULATION

April 12, 2002

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. : 0570040-011-AV

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

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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. 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 (NO_x), 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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BUREAU OF AIR REGULATION



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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Identification of Facility

1. Facility Owner/Company Name: Tampa Electric Company	
2. Site Name: F.J. Gannon Power Station	
3. Facility Identification Number: 0570040 [] Unknown	
4. Facility Location: Street Address or Other Locator: Port Sutton Road City: Tampa County: Hillsborough Zip Code: 33619	
5. Relocatable Facility? [] Yes [<input checked="" type="checkbox"/>] No	6. Existing Permitted Facility? [<input checked="" type="checkbox"/>] Yes [] No

Application Contact

1. Name and Title of Application Contact: Raiza Calderon Engineer, Environmental Affairs	
2. Application Contact Mailing Address: Organization/Firm: Tampa Electric Company Street Address: 6499 U.S. Highway 41 North City: Apollo Beach State: FL Zip Code: 3572-9200	
3. Application Contact Telephone Numbers: Telephone: (813)641 - 5261 Fax: (813) 641-5081	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

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: _____

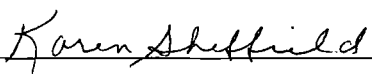
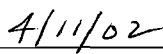
Reason for revision: _____

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.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible 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>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.</i>  _____ Signature  _____ Date

* Attach letter of authorization if not currently on file.

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

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 [], 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

Date

4/10/02

* Attach any exception to certification statement.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing 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

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

[Empty box for Application Comment]

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
NOX	A	N/A	N/A	N/A	
SO2	A	N/A	N/A	N/A	
CO	A	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	B	N/A	N/A	N/A	
HAPS	A	N/A	N/A	N/A	
H106 (HCl)	A	N/A	N/A	N/A	
H107 (HF)	A	N/A	N/A	N/A	

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: [] Attached, Document ID: [] Not Applicable [<input checked="" type="checkbox"/>] Waiver Requested
2. Facility Plot Plan: [] Attached, Document ID: [] Not Applicable [<input checked="" type="checkbox"/>] Waiver Requested
3. Process Flow Diagram(s): [] Attached, Document ID: [] Not Applicable [<input checked="" type="checkbox"/>] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [] Attached, Document ID: [] Not Applicable [<input checked="" type="checkbox"/>] Waiver Requested
5. Fugitive Emissions Identification: [] Attached, Document ID: _____ [] Not Applicable [<input checked="" type="checkbox"/>] Waiver Requested
6. Supplemental Information for Construction Permit Application: [] Attached, Document ID: [<input checked="" type="checkbox"/>] Not Applicable
7. Supplemental Requirements Comment: Items 1, 2, 3, 4, and 5 above previously submitted - see F.J. Gannon Station Title V permit application.

Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input type="checkbox"/> 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: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

Items 8. through 15. above 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) <input checked="" type="checkbox"/> 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). <input type="checkbox"/> 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. <input type="checkbox"/> 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 Unregulated Emissions Unit? (Check one) <input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. <input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
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 Identification Number: [] No ID ID: 001 [] ID Unknown			
5. Emissions Unit Status Code: A	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? [<input checked="" type="checkbox"/>]
9. Emissions Unit Comment: (Limit to 500 Characters)			

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

**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 Throughput Rate:		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
	24	7
	hours/day	days/week
	52	8,760
	weeks/year	hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		

Emissions Unit Information Section 1 of 4

**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 generator fired with coal and coal/wood-derived fuel (WDF) blends.		
2. Source Classification Code (SCC): 1-01-002-03		3. SCC Units: tons burned (all solid fuels)
4. Maximum Hourly Rate: 50.0	5. Maximum Annual Rate: 438,000	6. Estimated Annual Activity Factor:
6. Maximum % Sulfur: 1.30	8. Maximum % Ash: 7.90	9. Million Btu per SCC Unit: 25
10. Segment Comment (limit to 200 characters): <ul style="list-style-type: none"> a. Fluxing agents may be added to fuels. b. Fuels may be supplemented with on-specification used oil up to 1,000,000 gallons in any consecutive 12 month period. c. 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. d. Total quantity of WDF fired in Units 1-4 shall not exceed <u>56,940 tons</u> in any consecutive 12 month period. 		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Fossil fuel steam generator fired with No. 2 fuel oil.		
2. Source Classification Code (SCC): 1-01-005-01		3. SCC Units: Thousand Gallons Burned
4. Maximum Hourly Rate: 1.08	5. Maximum Annual Rate: 1,101.60	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	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 Device Code	3. Secondary Control Device Code	4. Pollutant 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

**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: 377.1 lb/hour	688.2 tons/year 4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.1 lb/10⁶ Btu, 0.3 lb/10⁶ Btu Reference: Allowable Emission Rates	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): Hourly emission rate based on 0.3 lb PM/10⁶ Btu during soot blowing. Annual rate based on 0.1 lb PM/10⁶ Btu (non-soot blowing) for 21 hrs/dy and 0.3 lb PM/10⁶ Btu (soot blowing) for 3 hrs/dy.	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.1 lb/10⁶ Btu (non-soot blowing)	4. Equivalent Allowable Emissions: 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 Operating Method) (limit to 200 characters): Rule 62-296.405(1)(b), F.A.C.	

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: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.3 lb/10⁶ Btu (soot blowing)	4. Equivalent Allowable Emissions: 377.1 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 Operating Method) (limit to 200 characters): Rule 62-210.700(3), F.A.C.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: SO₂	2. Total Percent Efficiency of Control:
3. Potential Emissions: 3,016.8 lb/hour 13,213.6 tons/year	4. Synthetically Limited? <input checked="" type="checkbox"/>
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 2.4 lb/10⁶ Btu Reference: SIP Allowable Emission Limit	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters):	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): Unit 1 is also subject the F.J. Gannon Station SO₂ Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.	

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 2.4 lb/10⁶ Btu	4. Equivalent Allowable Emissions: 3,016.8 lb/hour 13,213.6 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 Operating Method) (limit to 200 characters): Unit 1 is also subject the F.J. Gannon Station SO₂ Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.	

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: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 10.6 tons/hr	4. Equivalent Allowable Emissions: 21,200.0 lb/hour 92,856.0 tons/year
5. Method of Compliance (limit to 60 characters): Weekly composite fuel sampling and fuel analysis or CEMS.	
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.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: NO_x		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 1,650 lb/hour		4. Synthetically Limited? []	
		7,227 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 33.0 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: CO		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 25 lb/hour		4. Synthetically Limited? [] 109.5 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.5 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (limit 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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: PM₁₀		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 102.7 lb/hour		4. Synthetically Limited? [] 449.8 tons/year	
5. Range of Estimated Fugitive Emissions: [] 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 characters): <p align="center">Potential emissions based on 50 ton/hr fuel consumption rate and 7.9% ash content. Emission estimates are provided for filterable PM₁₀.</p>			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____ N/A

1. Basis for Allowable Emissions Code:		2. Future Effective Date of Allowable Emissions:	
5. Requested Allowable Emissions and Units:		4. Equivalent Allowable Emissions: lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: 5.5 lb/hour 24.1 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.11 lb/ton Reference: AP-42	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate. Emission estimates are provided for total non-methane organic compounds (TNMOC).	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions _____ of _____ N/A

1. 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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: HCl		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 60.0 lb/hour		4. Synthetically Limited? [] 262.8 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 1.2 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____ **N/A**

1. 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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: HF		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 7.5 lb/hour 32.9 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.15 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: SAM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 11.1 lb/hour 48.8 tons/year		4. Synthetically Limited? [<input checked="" type="checkbox"/>]	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.22 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate and 1.3% S content. Emissions estimated assuming 0.7% of fuel sulfur is converted to SO₃ and 100% conversion of SO₃ to H₂SO₄ mist.			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____ N/A

1. Basis for Allowable Emissions Code:		2. Future Effective Date of Allowable Emissions:	
9. Requested Allowable Emissions and Units:		4. Equivalent Allowable Emissions: lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 5

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: 27 % Maximum Period of Excess Opacity Allowed: 6 min/hour	
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.	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 5

1. Visible Emissions Subtype: VE60	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 60 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Continuous opacity monitoring system (COMS).	
5. Visible Emissions Comment (limit to 200 characters): Maximum period of excess opacity allowed for 3 hours in any 24-hour period. Rule 62-210.700(3), F.A.C.	

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:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation 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.	

Continuous Monitoring System: Continuous Monitor 2 of 5

1. Parameter Code: EM	2. Pollutant(s): SO₂
3. CMS Requirement:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 43B Serial Number: 43B-48234-280	
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) and Rule 62-296.405(1)(f)b., F.A.C. System includes one SO₂ monitor, with one backup system shared among Units 1, 2, and 3.	

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_x
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 42D 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 Program). System includes one NO₂ monitor, with one backup system shared among Units 1, 2, and 3.	

Continuous Monitoring System: Continuous Monitor 4 of 5

1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: USI Model Number: 100 Serial Number: 9401630	
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.	

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:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Siemens Model Number: 5E Serial Number: E2-756	
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 CO₂ 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:	<input type="checkbox"/> Rule <input type="checkbox"/> 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 <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: <p>Items 1 through 7 previously submitted - see F.J. Gannon Station Title V permit application.</p>

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 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.

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

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> 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).</p> <p><input type="checkbox"/> 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.</p> <p><input type="checkbox"/> 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.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Unit 2 "wet" bottom, cyclone firing Babcock-Wilcox Corporation fossil fuel fired steam boiler generating unit. Fuels fired in Unit 2 include coal, on-specification used oil, coal/wood-derived (WDF) blend, and No. 2 fuel oil.</p>			
<p>4. Emissions Unit Identification Number: ID: 002</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: A</p>	<p>6. Initial Startup Date:</p>	<p>7. Emissions Unit Major Group SIC Code: 49</p>	<p>8. Acid Rain Unit? <input checked="" type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters)</p>			

Emissions Unit Information Section 2 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

**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 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 Comment (limit to 200 characters):		

**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 Plot Plan or Flow Diagram? CS-002		2. Emission Point Type Code: 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 Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 315 feet	7. Exit Diameter: 10.0 feet	
8. Exit Temperature: 336 °F	9. Actual Volumetric Flow Rate: 490,885 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information Section 2 of 4

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 generator fired with coal and coal/wood-derived fuel (WDF) blends.		
2. Source Classification Code (SCC): 1-01-002-03		3. SCC Units: tons burned (all solid fuels)
4. Maximum Hourly Rate: 50.0	5. Maximum Annual Rate: 438,000	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.30	8. Maximum % Ash: 7.90	9. Million Btu per SCC Unit: 25
10. Segment Comment (limit to 200 characters): <ul style="list-style-type: none"> e. Fluxing agents may be added to fuels. f. Fuels may be supplemented with on-specification used 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 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

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Fossil fuel steam generator fired with No. 2 fuel oil.		
2. Source Classification Code (SCC): 1-01-005-01		3. SCC Units: Thousand Gallons Burned
5. Maximum Hourly Rate: 1.08	6. Maximum Annual Rate: 1,101.60	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	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 Device Code	3. Secondary Control Device Code	4. Pollutant 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

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: 377.1 lb/hour 688.2 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.1 lb/10⁶ Btu, 0.3 lb/10⁶ Btu Reference: Allowable Emission Rates	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): Hourly emission rate based on 0.3 lb PM/10⁶ Btu during soot blowing. Annual rate based on 0.1 lb PM/10⁶ Btu (non-soot blowing) for 21 hrs/dy and 0.3 lb PM/10⁶ Btu (soot blowing) for 3 hrs/dy.	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.1 lb/10⁶ Btu (non-soot blowing)	4. Equivalent Allowable Emissions: 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 Operating Method) (limit to 200 characters): Rule 62-296.405(1)(b), F.A.C.	

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: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.3 lb/10⁶ Btu (soot blowing)	4. Equivalent Allowable Emissions: 377.1 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 Operating Method) (limit to 200 characters): Rule 62-210.700(3), F.A.C.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: SO₂		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 3,016.8 lb/hour		4. Synthetically Limited? <input checked="" type="checkbox"/>	
		13,213.6 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 2.4 lb/10⁶ Btu Reference: SIP Allowable Emission Limit		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters):			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): Unit 2 is also subject the F.J. Gannon Station SO₂ Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.			

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule		2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units: 2.4 lb/10⁶ Btu		4. Equivalent Allowable Emissions: 3,016.8 lb/hour 13,213.6 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 Operating Method) (limit to 200 characters): Unit 2 is also subject the F.J. Gannon Station SO₂ Compliance Plan – see Condition 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: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 10.6 tons/hr	4. Equivalent Allowable Emissions: 21,200.0 lb/hour 92,856.0 tons/year
5. Method of Compliance (limit to 60 characters): Weekly composite fuel sampling and fuel analysis or CEMS.	
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.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: NO_x	2. Total Percent Efficiency of Control:
3. Potential Emissions: 1,650 lb/hour	4. Synthetically Limited? [] 7,227 tons/year
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 33.0 lb/ton Reference: AP-42	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.	
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: CO		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 25 lb/hour 109.5 tons/year		4. Synthetically Limited? []	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.5 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (limit 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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: PM₁₀		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 102.7 lb/hour		449.8 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 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 characters): Potential emissions based on 50 ton/hr fuel consumption rate and 7.9% ash content. Emission estimates are provided for filterable PM₁₀.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: 5.5 lb/hour		4. Synthetically Limited? [] 24.1 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.11 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate. Emission estimates are provided for total non-methane organic compounds (TNMOC).			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: HCl	2. Total Percent Efficiency of Control:	
3. Potential Emissions: 60.0 lb/hour	262.8 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year		
6. Emission Factor: 1.2 lb/ton Reference: AP-42	7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.		
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):		
6. Allowable Emissions Comment (Desc. of Operating 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: HF		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 7.5 lb/hour		32.9 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year		4. Synthetically Limited? []	
6. Emission Factor: 0.15 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: SAM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 11.1 lb/hour		4. Synthetically Limited? [<input checked="" type="checkbox"/>] 48.8 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.22 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 50 ton/hr fuel consumption rate and 1.3% S content. Emissions estimated assuming 0.7% of fuel sulfur is converted to SO₃ and 100% conversion of SO₃ to H₂SO₄ mist.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 5

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: 27 % Maximum Period of Excess Opacity Allowed: 6 min/hour	
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.	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 5

1. Visible Emissions Subtype: VE60	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 60 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Continuous opacity monitoring system (COMS).	
5. Visible Emissions Comment (limit to 200 characters): Maximum period of excess opacity allowed for 3 hours in any 24-hour period. Rule 62-210.700(3), F.A.C.	

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

Visible Emissions Limitation: Visible Emissions Limitation 3 of 5

1. Visible Emissions Subtype: <p style="text-align: center;">VE100</p>	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 24 min/hour	
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.	

Visible Emissions Limitation: Visible Emissions Limitation 4 of 5

1. Visible Emissions Subtype: <p style="text-align: center;">VE100</p>	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Continuous opacity monitoring system (COMS).	
5. Visible Emissions Comment (limit to 200 characters): Excess opacity allowed for boiler startups and shutdowns. Rule 62-210.700(2), F.A.C.	

Emissions Unit Information Section 2 of 4

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

Visible Emissions Limitation: Visible Emissions Limitation 5 of 5

1. Visible Emissions Subtype: VE100	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: 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

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters):	

Emissions Unit Information Section 1 of 4

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:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: M400 Serial Number: 400B-44871-B62	
5. Installation Date: 10/01/93	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.	

Continuous Monitoring System: Continuous Monitor 2 of 5

1. Parameter Code: EM	2. Pollutant(s): SO₂
3. CMS Requirement:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 43B Serial Number: 43B-48170-279	
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) and Rule 62-296.405(1)(f)b., F.A.C. System includes one SO₂ monitor, with one backup system shared among Units 1, 2, and 3.	

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_x
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 42D Serial Number: 42D-47875-279	
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 one NO₂ monitor, with one backup system shared among Units 1, 2, and 3.	

Continuous Monitoring System: Continuous Monitor 4 of 5

1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: USI Model Number: 100 Serial Number: 9401625	
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.	

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:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Siemens Model Number: 5E Serial Number: D0-669	
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 CO₂ 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:	<input type="checkbox"/> Rule <input type="checkbox"/> 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 <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: <p>Items 1 through 7 previously submitted - see F.J. Gannon Station Title V permit application.</p>

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: _____ [<input checked="" type="checkbox"/>] Not Applicable
12. Alternative Modes of Operation (Emissions Trading) [] Attached, Document ID: _____ [<input checked="" type="checkbox"/>] Not Applicable
13. Identification of Additional Applicable Requirements [] Attached, Document ID: _____ [<input checked="" type="checkbox"/>] Not Applicable
14. Compliance Assurance Monitoring Plan [] Attached, Document ID: _____ [<input checked="" type="checkbox"/>] 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: _____ [<input checked="" type="checkbox"/>] 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)			
<input checked="" type="checkbox"/> 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).			
<input type="checkbox"/> 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.			
<input type="checkbox"/> 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 Unregulated Emissions Unit? (Check one)			
<input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
<input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
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.			
4. Emissions Unit Identification Number: ID: 003		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input checked="" type="checkbox"/>
9. Emissions Unit Comment: (Limit to 500 Characters)			

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: **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. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:	24	7
	hours/day	days/week
	52	8,760
	weeks/year	hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		

**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 Plot Plan or Flow Diagram? CS-003		2. Emission Point Type Code: 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 Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 315 feet	7. Exit Diameter: 10.6 feet	
8. Exit Temperature: 290 °F	9. Actual Volumetric Flow Rate: 537,259 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):			

**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 generator fired with coal and coal/wood-derived fuel (WDF) blends.		
2. Source Classification Code (SCC): 1-01-002-03		3. SCC Units: 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 % Ash: 7.90	9. Million Btu per SCC Unit: 25
10. Segment Comment (limit to 200 characters): <ul style="list-style-type: none"> 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

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Fossil fuel steam generator fired with No. 2 fuel oil.		
2. Source Classification Code (SCC): 1-01-005-01		3. SCC Units: Thousand Gallons Burned
4. Maximum Hourly Rate: 1.08	5. Maximum Annual Rate: 700.0	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	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 Device Code	3. Secondary Control Device Code	4. Pollutant 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

**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: 479.7 lb/hour	875.5 tons/year 4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.1 lb/10⁶ Btu, 0.3 lb/10⁶ Btu Reference: Allowable Emission Rates	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): Hourly emission rate based on 0.3 lb PM/10⁶ Btu during soot blowing. Annual rate based on 0.1 lb PM/10⁶ Btu (non-soot blowing) for 21 hrs/dy and 0.3 lb PM/10⁶ Btu (soot blowing) for 3 hrs/dy.	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.1 lb/10⁶ Btu (non-soot blowing)	4. Equivalent Allowable Emissions: 159.9 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 Operating Method) (limit to 200 characters): Rule 62-296.405(1)(b), F.A.C.	

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

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.3 lb/10⁶ Btu (soot blowing)	4. Equivalent Allowable Emissions: 479.7 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 Operating Method) (limit to 200 characters): Rule 62-210.700(3), F.A.C.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: SO₂	2. Total Percent Efficiency of Control:
3. Potential Emissions: 3,837.6 lb/hour 16,808.7 tons/year	4. Synthetically Limited? [<input checked="" type="checkbox"/>]
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 2.4 lb/10⁶ Btu Reference: SIP Allowable Emission Limit	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters):	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): Unit 3 is also subject the F.J. Gannon Station SO₂ Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.	

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 2.4 lb/10⁶ Btu	4. Equivalent Allowable Emissions: 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 Operating Method) (limit to 200 characters): Unit 3 is also subject the F.J. Gannon Station SO₂ 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: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 10.6 tons/hr	4. Equivalent Allowable Emissions: 21,200.0 lb/hour 92,856.0 tons/year
5. Method of Compliance (limit to 60 characters): Weekly composite fuel sampling and fuel analysis or CEMS.	
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.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: NO_x	2. Total Percent Efficiency of Control:	
3. Potential Emissions: 2,145 lb/hour	9,395.1 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year		
6. Emission Factor: 33.0 lb/ton Reference: AP-42	7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 65 ton/hr fuel consumption rate.		
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: CO		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 32.5 lb/hour		4. Synthetically Limited? [] 142.4 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.5 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 65 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: PM₁₀	2. Total Percent Efficiency of Control:
3. Potential Emissions: 133.3 lb/hour 583.4 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 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 characters): Potential emissions based on 65 ton/hr fuel consumption rate and 7.9% ash content. Emission estimates are provided for filterable PM₁₀.	
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: 7.2 lb/hour 31.3 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.11 lb/ton Reference: AP-42	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 65 ton/hr fuel consumption rate. Emission estimates are provided for total non-methane organic compounds (TNMOC).	
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: HCl		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 78.0 lb/hour		4. Synthetically Limited? [] 341.6 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 1.2 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 65 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: HF		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 9.8 lb/hour		4. Synthetically Limited? [] 42.7 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.15 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 65 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: SAM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 14.3 lb/hour		4. Synthetically Limited? [<input checked="" type="checkbox"/>]	
		62.6 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.22 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 65 ton/hr fuel consumption rate and 1.3% S content. Emissions estimated assuming 0.7% of fuel sulfur is converted to SO₃ and 100% conversion of SO₃ to H₂SO₄ mist.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 5

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: 27 % Maximum Period of Excess Opacity Allowed: 6 min/hour	
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.	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 5

1. Visible Emissions Subtype: VE60	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 60 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Continuous opacity monitoring system (COMS).	
5. Visible Emissions Comment (limit to 200 characters): Maximum period of excess opacity allowed for 3 hours in any 24-hour period. Rule 62-210.700(3), F.A.C.	

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

Visible Emissions Limitation: Visible Emissions Limitation 3 of 5

1. Visible Emissions Subtype: VE100	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 24 min/hour	
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.	

Visible Emissions Limitation: Visible Emissions Limitation 4 of 5

1. Visible Emissions Subtype: VE100	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Continuous opacity monitoring system (COMS).	
5. Visible Emissions Comment (limit to 200 characters): Excess opacity allowed for boiler startups and shutdowns. Rule 62-210.700(2), F.A.C.	

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

Visible Emissions Limitation: Visible Emissions Limitation 5 of 5

1. Visible Emissions Subtype: <p style="text-align: center;">VE100</p>	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: <p style="text-align: center;">Continuous opacity monitoring system (COMS).</p>	
5. Visible Emissions Comment (limit to 200 characters): <p style="text-align: center;">Excess opacity allowed for startups, shutdowns, and malfunctions. Rule 62-210.700(1), F.A.C.</p>	

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters):	

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:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: M400 Serial Number: 400B-3500	
5. Installation Date: 10/01/93	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.	

Continuous Monitoring System: Continuous Monitor 2 of 5

1. Parameter Code: EM	2. Pollutant(s): SO₂
3. CMS Requirement:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 43B Serial Number: 43B-48171-279	
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) and Rule 62-296.405(1)(f)b., F.A.C. System includes one SO₂ monitor, with one backup system shared among Units 1, 2, and 3.	

**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_x
3. CMS Requirement:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 42D Serial Number: 42D-47872-279	
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 one NO₂ monitor, with one backup system shared among Units 1, 2, and 3.	

Continuous Monitoring System: Continuous Monitor 4 of 5

1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] 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.	

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:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] 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): Required by 40 CFR Part 75 (Acid Rain Program). System includes one CO₂ 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:	[<input type="checkbox"/>] Rule [<input type="checkbox"/>] 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):	

Emissions Unit Information Section 3 of 4

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

Supplemental Requirements

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

Emissions Unit Information Section 3 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.

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) <input checked="" type="checkbox"/> 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). <input type="checkbox"/> 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. <input type="checkbox"/> 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 Unregulated Emissions Unit? (Check one) <input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. <input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
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 Identification Number: ID: 004		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown	
5. Emissions Unit Status Code: A	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input checked="" type="checkbox"/>
9. Emissions Unit Comment: (Limit to 500 Characters)			

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: **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 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 Comment (limit to 200 characters):		

**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 Plot Plan or Flow Diagram? CS-004A & CS-004B		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Unit 4			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 306 feet	7. Exit Diameter: 9.6 feet	
8. Exit Temperature: 277 °F	9. Actual Volumetric Flow Rate: 693,900 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): Two identical stacks serve Unit 4. Field 9 flow rate is total for 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): Fossil fuel steam generator fired with coal and coal/wood-derived fuel (WDF) blends.		
2. Source Classification Code (SCC): 1-01-002-03		3. SCC Units: tons burned (all solid fuels)
4. Maximum Hourly Rate: 80.0	5. Maximum Annual Rate: 700,800	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.30	8. Maximum % Ash: 7.90	9. Million Btu per SCC Unit: 25
10. Segment Comment (limit to 200 characters): m. Fluxing agents may be added to fuels. n. Fuels may be supplemented with on-specification used oil up to 1,000,000 gallons in any consecutive 12 month period. o. 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. p. 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

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Fossil fuel steam generator fired with No. 2 fuel oil.		
2. Source Classification Code (SCC): 1-01-005-01		3. SCC Units: Thousand Gallons Burned
4. Maximum Hourly Rate: 1.08	5. Maximum Annual Rate: 700.0	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: 0.1	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 Device Code	3. Secondary Control Device Code	4. Pollutant 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

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: 562.8 lb/hour 1,027.1 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.1 lb/10⁶ Btu, 0.3 lb/10⁶ Btu Reference: Allowable Emission Rates	7. Emissions Method Code: 0
8. Calculation of Emissions (limit to 600 characters): Hourly emission rate based on 0.3 lb PM/10⁶ Btu during soot blowing. Annual rate based on 0.1 lb PM/10⁶ Btu (non-soot blowing) for 21 hrs/dy and 0.3 lb PM/10⁶ Btu (soot blowing) for 3 hrs/dy.	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.1 lb/10⁶ Btu (non-soot blowing)	4. Equivalent Allowable Emissions: 187.6 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 Operating Method) (limit 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: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.3 lb/10⁶ Btu (soot blowing)	4. Equivalent Allowable Emissions: 562.8 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 Operating Method) (limit to 200 characters): Rule 62-210.700(3), F.A.C.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: SO₂		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 4,502.4 lb/hour		4. Synthetically Limited? <input checked="" type="checkbox"/>	
		19,720.5 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 2.4 lb/10⁶ Btu Reference: SIP Allowable Emission Limit		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters):			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): Unit 4 is also subject the F.J. Gannon Station SO₂ Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.			

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule		2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units: 2.4 lb/10⁶ Btu		4. Equivalent Allowable Emissions: 4,502.4 lb/hour 19,720.5 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 Operating Method) (limit to 200 characters): Unit 4 is also subject the F.J. Gannon Station SO₂ Compliance Plan – see Condition J.4 of Title V Permit No. 0570040-002-AV.			

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: Rule	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 10.6 tons/hr	4. Equivalent Allowable Emissions: 21,200.0 lb/hour 92,856.0 tons/year
5. Method of Compliance (limit to 60 characters): Weekly composite fuel sampling and fuel analysis or CEMS.	
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.	

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

Potential/Fugitive Emissions

1. Pollutant Emitted: NO_x		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 2,640 lb/hour		11,563.2 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 33.0 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 80 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: CO		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 40.0 lb/hour		175.2 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.5 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 80 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: PM₁₀		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 164.0 lb/hour		4. Synthetically Limited? [] 718.3 tons/year	
5. Range of Estimated Fugitive Emissions: [] 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 characters): Potential emissions based on 80 ton/hr fuel consumption rate and 7.9% ash content. Emission estimates are provided for filterable PM₁₀.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: 8.8 lb/hour 38.5 tons/year	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.11 lb/ton Reference: AP-42	7. Emissions Method Code: 3
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 80 ton/hr fuel consumption rate. Emission estimates are provided for total non-methane organic compounds (TNMOC).	
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):	
6. Allowable Emissions Comment (Desc. of Operating 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: HCl		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 96.0 lb/hour		4. Synthetically Limited? [] 420.5 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 1.2 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 80 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: HF		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 12.0 lb/hour		4. Synthetically Limited? [] 52.6 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.15 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 80 ton/hr fuel consumption rate.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating 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: SAM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 17.6 lb/hour		4. Synthetically Limited? [<input checked="" type="checkbox"/>] 77.1 tons/year	
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year			
6. Emission Factor: 0.22 lb/ton Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions (limit to 600 characters): Potential emissions based on 80 ton/hr fuel consumption rate and 1.3% S content. Emissions estimated assuming 0.7% of fuel sulfur is converted to SO₃ and 100% conversion of SO₃ to H₂SO₄ mist.			
9. Pollutant Potential/Fugitive Emissions Comment (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 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 5

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: 27 % Maximum Period of Excess Opacity Allowed: 6 min/hour	
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.	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 5

1. Visible Emissions Subtype: VE60	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 60 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Continuous opacity monitoring system (COMS).	
5. Visible Emissions Comment (limit to 200 characters): Maximum period of excess opacity allowed for 3 hours in any 24-hour period. Rule 62-210.700(3), F.A.C.	

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

Visible Emissions Limitation: Visible Emissions Limitation 3 of 5

1. Visible Emissions Subtype: VE100	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 24 min/hour	
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.	

Visible Emissions Limitation: Visible Emissions Limitation 4 of 5

1. Visible Emissions Subtype: VE100	2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Continuous opacity monitoring system (COMS).	
5. Visible Emissions Comment (limit to 200 characters): Excess opacity allowed for boiler startups and shutdowns. Rule 62-210.700(2), F.A.C.	

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

Visible Emissions Limitation: Visible Emissions Limitation 5 of 5

1. Visible Emissions Subtype: <p align="center">VE100</p>	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: <p>Continuous opacity monitoring system (COMS).</p>	
5. Visible Emissions Comment (limit to 200 characters): <p>Excess opacity allowed for startups, shutdowns, and malfunctions. Rule 62-210.700(1), F.A.C.</p>	

Visible Emissions Limitation: Visible Emissions Limitation ____ of ____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters):	

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:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: M701 Serial Number: 400-0010-3298	
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 Program) and Rule 62-296.405(1)(f)a., F.A.C. System includes two opacity monitors for two stacks.	

Continuous Monitoring System: Continuous Monitor 2 of 5

1. Parameter Code: EM	2. Pollutant(s): SO₂
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Thermo Environmental Corporation Model Number: 43B Serial Number: 43B-47685-279	
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) and Rule 62-296.405(1)(f)b., F.A.C. System includes two SO₂ monitors for two0 stacks, with one backup system shared among Units 4, 5, and 6.	

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_x
3. CMS Requirement:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
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):
3. CMS Requirement:	[<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
4. Monitor Information: Manufacturer: USI Model Number: 100 Serial Number: 9401628	
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 flow monitors for two stacks.	

Emissions Unit Information Section 4 of 4

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:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> 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): Required by 40 CFR Part 75 (Acid Rain Program). System includes two CO₂ monitors for two stacks, with one backup system shared among Units 4, 5, and 6.	

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> 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 <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: <p>Items 1 through 7 previously submitted - see F.J. Gannon Station Title V permit application.</p>

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.