

**Solid Waste Authority of  
Palm Beach County**



**Title V Permit Application**

**HDR**



YOUR PARTNER FOR  
SOLID WASTE SOLUTIONS

**RECEIVED**

JUN 13 1996

BUREAU OF  
AIR REGULATION

June 12, 1996

John C. Brown, Jr., PE  
Administrator, Title V Section  
Division of Air Resources Management  
Florida Department of Environmental Protection  
Mail Station # 5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Title V Permit Application - Solid Waste Authority of Palm Beach County  
North County Resource Recovery Facility

Dear Mr. Brown,

Please find the attached four (4) copies of the Application for a Title V Permit for the Solid Waste Authority of Palm Beach County Florida North County Resource Recovery Facility as required by 62-213 FAC. The application is complete, however, the Solid Waste Authority may provide supplemental information (if necessary) at a later date.

If you have any questions or comments, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink that reads "Marc C. Bruner". The signature is written in a cursive style with a large, sweeping "M" and "B".

Marc C. Bruner, Ph.D.  
Director  
Planning & Environmental Programs

cc. J. Kahn, DEP Southeast District (w/o attachments)  
J. Lurix, DEP Southeast District (w/o attachments)

**SOLID WASTE AUTHORITY OF PALM BEACH COUNTY  
NORTH COUNTY REGIONAL RESOURCE RECOVERY FACILITY  
Title V Air Quality Permit**

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**SOLID WASTE AUTHORITY OF PALM BEACH COUNTY  
NORTH COUNTY REGIONAL RESOURCE RECOVERY FACILITY  
Title V Air Quality Permit**

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**SOLID WASTE AUTHORITY OF PALM BEACH COUNTY  
NORTH COUNTY REGIONAL RESOURCE RECOVERY FACILITY  
Title V Air Quality Permit**

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TCP 401897

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File \_\_\_\_\_

TCP 401897

Titk V ELSA File  
Solid Waste Authority  
of Palm Beach County

Prepared by HDR Engineering

9/24/99



# Department of Environmental Protection

## DIVISION OF AIR RESOURCES MANAGEMENT

### APPLICATION FOR AIR PERMIT - LONG FORM

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

#### I. APPLICATION INFORMATION

This section of the Application for Air Permit form provides general information on the scope of this application, the purpose for which this application is being submitted, and the nature of any construction or modification activities proposed as a part of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department on diskette, this section of the Application for Air Permit must also be submitted in hard-copy.

#### Identification of Facility Addressed in This Application


Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility name, if any; and a brief reference to the facility's physical location. If known, also enter the ARMS or AIRS facility identification number. This information is intended to give a quick reference, on the first page of the application form, to the facility addressed in this application. Elsewhere in the form, numbered data fields are provided for entry of the facility data in computer-input format.

**Applicant: The Solid Waste Authority of Palm Beach County**  
**Facility: North County Resource Recovery Facility**  
6501 North Jog Road  
West Palm Beach, Florida 33412

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	6/13/1996
2. Permit Number:	0990234-001-AV
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: Donald Lockhart, Executive Director
2. Owner/Authorized Representative or Responsible Official Mailing Address:  Organization/Firm: The Solid Waste Authority of Palm Beach County North County Resource Recovery Facility Street Address: 6501 North Jog Road City: West Palm Beach State: FL Zip Code: 33412
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: ( 407 ) 640-4000 - Fax: ( ) -
4. Owner/Authorized Representative or Responsible Official Statement:  <i>I, the undersigned, am the owner or authorized representative* of the facility (non-Title V source) addressed in this Application for Air Permit or the responsible official, as defined in Chapter 62-213, F.A.C., 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. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application 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. If the purpose of this application is to obtain an air operation permit or operation permit revision for one or more emissions units which have undergone construction or modification, I 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. 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>  <p style="text-align: center;"> _____ Signature</p> <p style="text-align: right;"><u>6/10/96</u> _____ Date</p>

\* Attach letter of authorization if not currently on file.



### Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility (or Title V source). An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>
001	Boiler #1
002	Boiler #2
003	RDF Process Line A
004	RDF Process Line B
005	RDF Process Line C
006	OBW Process Line
007	Fly Ash Storage Silo #1
008	Fly Ash Storage Silo #2
009	Lime Storage Silo #1
010	Lime Storage Silo #2
011	Chemical Storage Silo
012	Bottom Ash Loadout Building
013	RDF Storage
014	Materials Recycling Facility (Glass Processing)
015	Auto Spray Booth
016	Composting Bays
017	Landfill

**Purpose of Application and Category**

Check one (except as otherwise indicated):

**Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.**

This Application for Air Permit is submitted to obtain:

Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

Initial air operation permit under Chapter 62-213, F.A.C., 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: \_\_\_\_\_

Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: \_\_\_\_\_

Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: \_\_\_\_\_

Operation permit to be revised: \_\_\_\_\_

Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: \_\_\_\_\_

Air operation permit revision for a Title V source 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 to be revised: \_\_\_\_\_

Reason for revision: \_\_\_\_\_

**Category II: All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.**

This Application for Air Permit is submitted to obtain:

Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s): \_\_\_\_\_

Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: \_\_\_\_\_

Air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit to be revised: \_\_\_\_\_

Reason for revision: \_\_\_\_\_

**Category III: All Air Construction Permit Applications for All Facilities and Emissions Units**

This Application for Air Permit is submitted to obtain:

Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: \_\_\_\_\_

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

Current operation permit number(s): \_\_\_\_\_

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

**Application Processing Fee**

Check one:

[ ] Attached - Amount: \$ \_\_\_\_\_

[ X ] Not Applicable.

**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

**NOT APPLICABLE**

2. Projected or Actual Date of Commencement of Construction (DD-MON-YYYY):

3. Projected Date of Completion of Construction (DD-MON-YYYY):

**Professional Engineer Certification**

1. Professional Engineer Name: Ronald D. Larson  
Registration Number: 0027310

2. Professional Engineer Mailing Address:

Organization/Firm: HDR Engineering, Inc.  
Street Address: 5100 W. Kennedy Blvd., Suite 300  
City: Tampa State: FL Zip Code: 33609-1806

3. Professional Engineer Telephone Numbers:

Telephone: ( 813 ) 287-1960 - Fax: ( 813 ) 282-2440

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 (a) 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; or (b) for any application for a Title V source air operation permit, 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;*

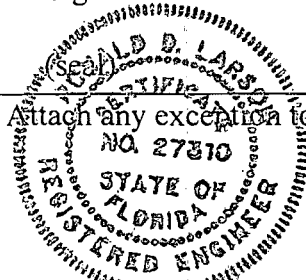
*(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application; and*

*(3) For any application for an air construction permit for one or more proposed new or modified emissions units, 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.*

*Ronald D. Larson*  
Signature

*5/8/96*  
Date

\* Attach any exception to certification statement.



**Application Contact**

1. Name and Title of Application Contact:

Richard Statom, Assistant Director Environmental Programs

2. Application Contact Mailing Address:

Organization/Firm: Solid Waste Authority of Palm Beach County

Street Address: 7501 N. Jog Road

City: West Palm Beach State: FL

Zip Code: 33412

3. Application Contact Telephone Numbers:

Telephone: ( 407 ) 640-4000

Fax: ( 407 ) 683-4067

**Application Comment**

**This is a Title V Operating Permit Application required pursuant to Section 62-213, F.A.C.**

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### **Facility Name, Location, and Type**

1. Facility Owner or Operator: <b>The Solid Waste Authority of Palm Beach County</b>			
2. Facility Name: <b>North County Resource Recovery Facility</b>			
3. Facility Identification Number: <b>0990234</b> <span style="float: right;">[ ] Unknown</span>			
4. Facility Location Information: Facility Street Address: <b>6501 North Jog Road</b> City: <b>West Palm Beach</b> County: <b>Palm Beach</b> Zip Code: <b>33412</b>			
5. Facility UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>			
6. Facility Latitude/Longitude: Latitude (DD/MM/SS): <b>26/45/53</b> Longitude (DD/MM/SS): <b>80/08/12</b>			
7. Governmental Facility Code: <b>3</b>	8. Facility Status Code: <b>A</b>	9. Relocatable Facility? [ ] Yes [ <b>X</b> ] No	10. Facility Major Group SIC Code: <b>49</b>
11. Facility Comment:			

#### **Facility Contact**

1. Name and Title of Facility Contact: <b>Dr. Marc Bruner, Director for Planning and Environmental Programs</b>			
2. Facility Contact Mailing Address: Organization/Firm: <b>Solid Waste Authority of Palm Beach County</b> Street Address: <b>7501 N. Jog Road</b> City: <b>West Palm Beach</b> State: <b>FL</b> Zip Code: <b>33412</b>			
3. Facility Contact Telephone Numbers: Telephone: <b>( 407 ) 640-4000</b> Fax: <b>( 407 ) 683-4067</b>			

**Facility Regulatory Classifications**

1. Small Business Stationary Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
2. Title V Source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Synthetic Non-Title V Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Synthetic Minor Source of Pollutants Other than HAPs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6. Major Source of Hazardous Air Pollutants (HAPs)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Possible
7. Synthetic Minor Source of HAPs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
8. One or More Emissions Units Subject to NSPS? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
9. One or More Emission Units Subject to NESHAP? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
10. Title V Source by EPA Designation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11. Facility Regulatory Classifications Comment:



## B. FACILITY REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of federal, state, and local regulations applicable to the facility as a whole. (Regulations applicable to individual emissions units within the facility are addressed in Subsection III-B of the form.)

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

40 CFR 50	National Primary and Secondary Ambient Air Quality Standards
40 CFR 60, Subpart Ca	Emission Guidelines for Municipal Waste Combustors
62-296.711 F.A.C.	Stationary Sources - Emission Standards - Material Handling
62-213 F.A.C.	Operating Permits for Major Sources
All Other Regulations in the Title V Core List	

### C. FACILITY POLLUTANT INFORMATION

This subsection of the Application for Air Permit form allows for the reporting of potential and estimated emissions of selected pollutants on a facility-wide basis. It must be completed for each pollutant for which the applicant proposes to establish a facility-wide emissions cap and for each pollutant for which emissions are not reported at the emissions-unit level.

**Facility Pollutant Information:** Pollutant \_\_\_\_\_ of \_\_\_\_\_

1. Pollutant Emitted: <b>NOT APPLICABLE</b>		
2. Estimated Emissions:		(tons/year)
3. Requested Emissions Cap:	(LB/hour)	(tons/year)
4. Basis for Emissions Cap Code:		
5. Facility Pollutant Comment:		

**Facility Pollutant Information:** Pollutant \_\_\_\_\_ of \_\_\_\_\_

1. Pollutant Emitted: <b>NOT APPLICABLE</b>		
2. Estimated Emissions:		(tons/year)
3. Requested Emissions Cap:	(LB/hour)	(tons/year)
4. Basis for Emissions Cap Code:		
5. Facility Pollutant Comment:		

### D. FACILITY SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the facility as a whole. (Supplemental information related to individual emissions units within the facility is provided in Subsection III-I of the form.) Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

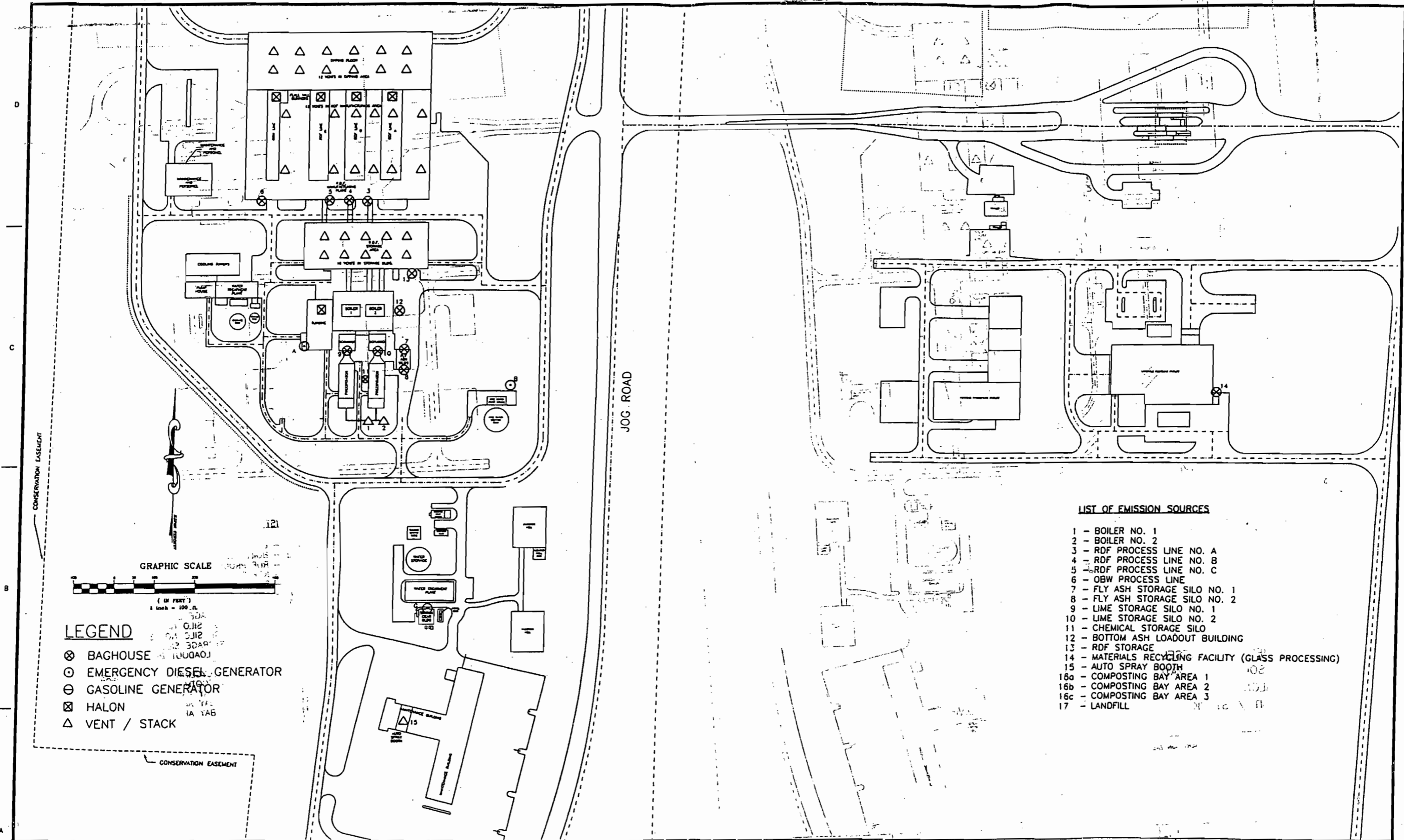
#### Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix A-1</b>
2. Facility Plot Plan: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix A-2</b>
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-1 and C-2</b>
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix B-1</b>
5. Fugitive Emissions Identification: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix B-2</b>
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

#### Additional Supplemental Requirements for Category I Applications Only

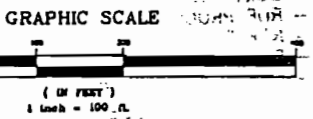
7. List of Insignificant Activities: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable Document ID: <b>Appendix B-3</b>
8. List of Equipment/Activities Regulated under Title VI:  <input checked="" type="checkbox"/> Attached, Document ID: <b>Appendix B-4</b> <input type="checkbox"/> Equipment/Activities Onsite but Not Required to be Individually Listed <input type="checkbox"/> Not Applicable
9. Alternative Methods of Operation: <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

<p>10. Alternative Modes of Operation (Emissions Trading):  <input type="checkbox"/> Attached, <input checked="" type="checkbox"/> Not Applicable  Document ID: <b>Not Applicable</b></p>
<p>11. Enhanced Monitoring Plan:  <input type="checkbox"/> Attached, <input checked="" type="checkbox"/> Not Applicable  Document ID: <b>Not Applicable</b></p>
<p>12. Risk Management Plan Verification:</p> <p><input type="checkbox"/> Plan Submitted to Implementing Agency - Verification Attached,  Document ID: _____</p> <p><input checked="" type="checkbox"/> Plan to be Submitted to Implementing Agency by Required Date</p> <p><input type="checkbox"/> Not Applicable</p>
<p>13. Compliance Report and Plan  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable  Document ID: <b>Appendix B-5</b></p>
<p>14. Compliance Statement (Hard-copy Required)  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable  Document ID: <b>Appendix B-5</b></p>



CONSERVATION EASEMENT

JOC ROAD



- LEGEND**
- ⊗ BAGHOUSE
  - ⊙ EMERGENCY DIESEL GENERATOR
  - ⊖ GASOLINE GENERATOR
  - ⊠ HALON
  - △ VENT / STACK

**LIST OF EMISSION SOURCES**

- 1 - BOILER NO. 1
- 2 - BOILER NO. 2
- 3 - RDF PROCESS LINE NO. A
- 4 - RDF PROCESS LINE NO. B
- 5 - RDF PROCESS LINE NO. C
- 6 - OBW PROCESS LINE
- 7 - FLY ASH STORAGE SILO NO. 1
- 8 - FLY ASH STORAGE SILO NO. 2
- 9 - LIME STORAGE SILO NO. 1
- 10 - LIME STORAGE SILO NO. 2
- 11 - CHEMICAL STORAGE SILO
- 12 - BOTTOM ASH LOADOUT BUILDING
- 13 - RDF STORAGE
- 14 - MATERIALS RECYCLING FACILITY (GLASS PROCESSING)
- 15 - AUTO SPRAY BOOTH
- 16a - COMPOSTING BAY AREA 1
- 16b - COMPOSTING BAY AREA 2
- 16c - COMPOSTING BAY AREA 3
- 17 - LANDFILL



NO.	REVISIONS	DATE	BY	CHKD.	APP'D.	DESCRIPTION
B	REVISIONS	6/96	TJT	JG		
A	ISSUED FOR PERMIT APPLICATION	7/95	TJT	RI		

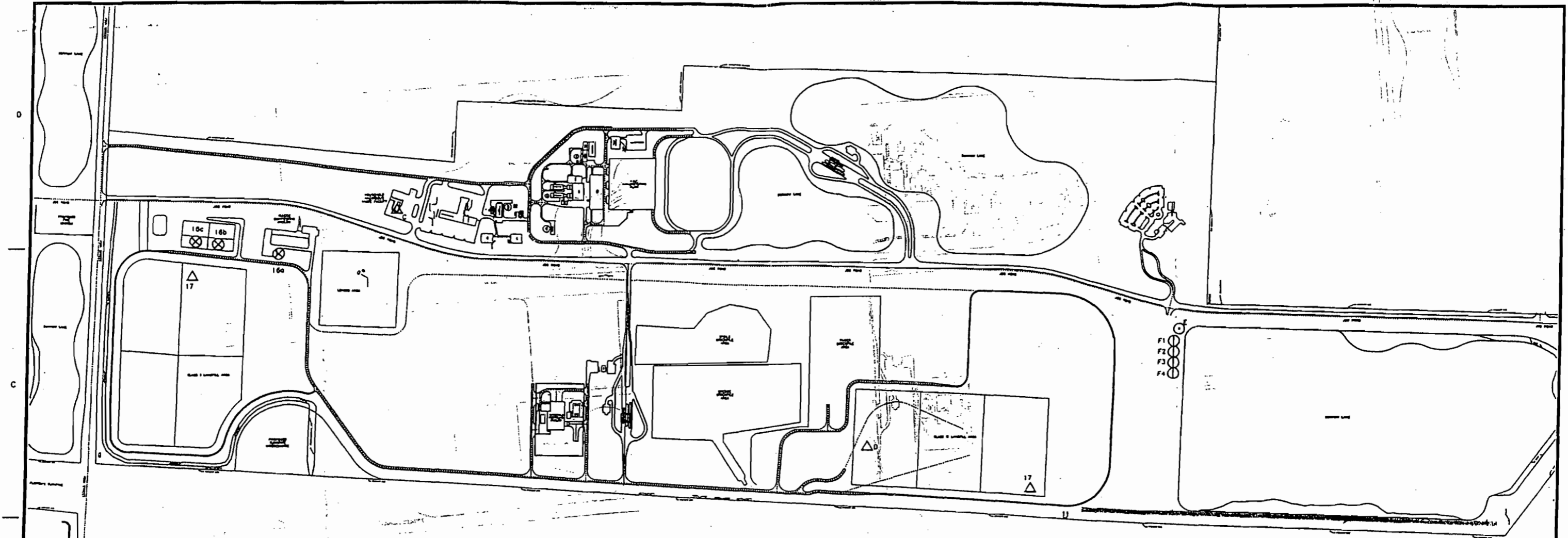
Project Manager	R. LARSON
Author	
Check	
Reviewed	
Approved	
Drawn By	J. BRITTAIN
Checked By	T. TIEDEMANN



NORTH COUNTY REGIONAL  
RESOURCE RECOVERY FACILITY  
PALM BEACH COUNTY, FLORIDA

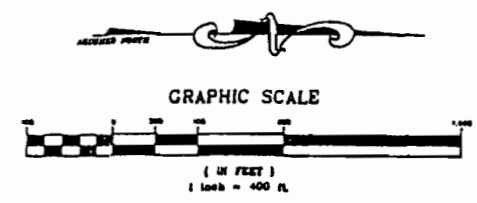
Facility Layout  
with Emission Sources

Date	6/3/96	Sheet	37
As Noted	07187-016-096	Scale	G-1 B



LIST OF EMISSION SOURCES

- 1 - BOILER NO. 1
- 2 - BOILER NO. 2
- 3 - RDF PROCESS LINE NO. A
- 4 - RDF PROCESS LINE NO. B
- 5 - RDF PROCESS LINE NO. C
- 6 - OBW PROCESS LINE
- 7 - FLY ASH STORAGE SILO NO. 1
- 8 - FLY ASH STORAGE SILO NO. 2
- 9 - LIME STORAGE SILO NO. 1
- 10 - LIME STORAGE SILO NO. 2
- 11 - CHEMICAL STORAGE SILO
- 12 - BOTTOM ASH LOADOUT BUILDING
- 13 - RDF STORAGE
- 14 - MATERIALS RECYCLING FACILITY (GLASS PROCESSING)
- 15 - AUTO SPRAY BOOTH
- 16a - COMPOSTING BAY: AREA 1
- 16b - COMPOSTING BAY: AREA 2
- 16c - COMPOSTING BAY: AREA 3
- 17 - LANDFILL



LEGEND

- ⊗ BAGHOUSE
- ⊙ EMERGENCY DIESEL GENERATOR
- ⊖ GASOLINE GENERATOR
- ⊠ HALON
- △ VENT / STACK



REVISIONS	DATE	BY	CHKD	APP'D
B	8/96	TJT	JB	
A	9/94	TJT	RI	

Project Manager	R. LARSON
Design	
Check	
Drawn	
Scale	
Drawn By	J. BRITAIN
Checked By	T. TEDEMANN



NORTH COUNTY REGIONAL  
RESOURCE RECOVERY FACILITY  
PALM BEACH COUNTY, FLORIDA

Facility Layout  
with Emission Sources

8/3/96  
As Noted

07187-016-096

377  
G-2 B

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 001 - 1



Emissions Unit Information Section 1 of 17

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:  <b>Boiler #1</b>		
2. ARMS Identification Number: [ <input checked="" type="checkbox"/> ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? [ ] Yes [ <input checked="" type="checkbox"/> ] No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MMM-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>RDF Boiler</b> Manufacturer: <b>Babcock &amp; Wilcox</b> Model Number: <b>Sterling Power Boiler</b>		
9. Generator Nameplate Rating: <b>62.0</b> MW		
10. Incinerator Information: Dwell Temperature: <b>1800+</b> °F Dwell Time: <b>one(1)</b> seconds Incinerator Afterburner Temperature : °F <b>Not Applicable</b>		
11. Emissions Unit Comment: <b>Shares Turbine with Boiler #2</b>		

Emissions Unit 001 - 2

Emissions Unit Control Equipment

A.

1. Description: <b>Spray Dryer Absorber</b>
2. Control Device or Method Code: <b>067</b>

B.

1. Description: <b>Electrostatic Precipitator</b>
2. Control Device or Method Code: <b>010</b>

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit 001 - 3

**Emissions Unit Information Section 1 of 17**

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>412.5</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>75,000</b> lb/hr	<b>900</b> tons/day RDF
3. Maximum Process or Throughput Rate: <b>NOT APPLICABLE</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment: <b>Maximum incinerator capacity is based on a reference heating value of 5500 BTU/lb RDF.</b>	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

Emissions Unit 001 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

<b>40 CFR 60, Subpart Ca</b>	<b>Emission Guidelines for Municipal Waste Combustors</b>
<b>62-213 F.A.C.</b>	<b>Operating Permits for Major Sources</b>
<b>All Other Regulations in the Title V Core List</b>	

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:	
<b>See Drawing 07187-016-096, G-1 (Appendix A-2)</b>	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>Each boiler has an independent Air Pollution Control (APC) train. The flue gas from each APC train will exhaust through a common stack.</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>Boiler #1 and Boiler #2 exhaust to a common stack consisting of three flues. Boiler #1 and Boiler #2 have a separate flue each. The third flue is for any future boiler additions.</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	<b>250 feet</b>
7. Exit Diameter:	<b>8 feet</b>
8. Exit Temperature:	<b>300 °F</b>
9. Actual Volumetric Flow Rate:	<b>198,774 acfm</b>

**Emissions Unit Information Section 1 of 17**

10. Percent Water Vapor : <b>20</b> %		
11. Maximum Dry Standard Flow Rate: <b>159,019</b> dscfm		
12. Nonstack Emission Point Height:		<b>NOT APPLICABLE</b> feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>		
14. Emission Point Comment:  <b>Worst-case emissions will occur at the permitted limit of 412.5 MMBTU/hr. which is 100% of thermal load.</b>		

Emissions Unit 001 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

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

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): <b>Combustion boiler for electric generation with refuse derived fuel (emissions related to tons of RDF burned).</b>	
2. Source Classification Code (SCC): <b>10101202</b>	
3. SCC Units: <b>Tons of RDF Burned</b>	
4. Maximum Hourly Rate: <b>N/A</b>	5. Maximum Annual Rate: <b>N/A</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>11 MMBTU/ton of RDF</b>	
10. Segment Comment:	



Emissions Unit Information Section 1 of 17

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): <b>Combustion boiler for electric generation with natural gas (emissions related to MM cu. ft. of natural gas burned).</b>	
2. Source Classification Code (SCC): <b>10100601</b>	
3. SCC Units: <b>MM cu. ft of natural gas burned</b>	
4. Maximum Hourly Rate: <b>0.2</b>	5. Maximum Annual Rate: <b>See Note Below</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>Negligible</b>	8. Maximum Percent Ash: <b>Negligible</b>
9. Million Btu per SCC Unit: <b>1,056.7 BTU/cu.ft.</b>	
10. Segment Comment:  Maximum annual rate for auxillary gas burners is defined in Specific Condition 9 of the PSD for the Facility and 40 CFR 60.43B(d). Less than 10%	

Emissions Unit 001 - 10

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 11**

1. Pollutant Emitted: <b>PM</b>	
2. Total Percent Efficiency of Control:	<b>99 %</b>
3. Primary Control Device Code: <b>010</b>	
4. Secondary Control Device Code: <b>067</b>	
5. Potential Emissions:	<b>14.875</b> lb/hour <b>65.15</b> tons/year
0.15 grains per DSCF - permit condition	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year	
8. Emission Factor: <b>0.015 gr/dscf at 7% O<sub>2</sub></b> Reference: <b>Permit Number: PSD-FL-108A</b>	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions:  $\frac{0.015 \text{ gr}}{\text{dscf}} @ 7\% \text{ O}_2 \times 115,693.8 \text{ dscfm} @ 7\% \text{ O}_2 \times \frac{1 \text{ pound}}{7,000 \text{ grains}} \times \frac{60 \text{ minutes}}{\text{hour}} = \frac{14.875 \text{ pounds}}{\text{hour}}$	
11. Pollutant Potential/Estimated Emissions Comment: <b>See Appendix F-1 for PM emissions from natural gas burner during warm-up.</b>	

Emissions Unit Information Section 1 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>0.015 gr/dscf at 7% O<sub>2</sub></b>
Equivalent Allowable Emissions: <b>14.875</b> lb/hour <b>65.15</b> tons/year
5. Method of Compliance: <b>Annual stack test with USEPA Method 5 pursuant to PSD permit number PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = 40 CFR 60, Subpart Ca and PSD-FL-108A</b>

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                            lb/hr                            tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emissions Unit 001 - 12

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 2 of 11**

1. Pollutant Emitted: <b>NO<sub>x</sub></b>		
2. Total Percent Efficiency of Control:	<b>NOT APPLICABLE</b>	%
3. Primary Control Device Code: <b>NOT APPLICABLE</b>		
4. Secondary Control Device Code: <b>NOT APPLICABLE</b>		
5. Potential Emissions:	<b>198 lb/hour</b>	<b>867.24 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.48 lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{0.48 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{198 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment: <b>See Appendix F-1 for NO<sub>x</sub> emissions from natural gas burner during warm-up.</b>		

**Emissions Unit Information Section 1 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>		
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>		
3. Requested Allowable Emissions and Units: <b>0.48 lb/MMBTU (24-hour block average)*</b>		
4. Equivalent Allowable Emissions:	<b>198 lb/hour</b>	<b>867.24 tons/year</b>
5. Method of Compliance: <b>CEM and annual stack test with USEPA Method 7, 7A, 7B, 7C, 7D, or 7E or other methods approved by FDEP pursuant to PSD Permit Number PSD-FL-108A.</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A.</b>		
<b>*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrence.</b>		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 001 - 14

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 3 of 11**

1. Pollutant Emitted: <b>CO</b>			
2. Total Percent Efficiency of Control: <b>NOT APPLICABLE</b>			%
3. Primary Control Device Code: <b>NOT APPLICABLE</b>			
4. Secondary Control Device Code: <b>NOT APPLICABLE</b>			
5. Potential Emissions:	<b>201.75</b>	lb/hour	<b>441.85</b> tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year			
8. Emission Factor: <b>400 ppm<sub>dv</sub> at 7% O<sub>2</sub> (1-hour average)</b> <b>200 ppm<sub>dv</sub> at 7% O<sub>2</sub> (24 hour average)</b> Reference: <b>Permit Number: PSD-FL-108A</b>			
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions:  $\frac{400 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115,693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{28.0 \text{ lbs}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$  $= \frac{201.75 \text{ lb}}{\text{hr}} \quad 200 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2 = 100.88 \text{ lb/hour}$			
11. Pollutant Potential/Estimated Emissions Comment:  <b>See Appendix F-1 for CO emissions from natural gas burned during warm-up.</b>			

**Emissions Unit Information Section 1 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>400 ppmdv at 7% O<sub>2</sub> (1-hour average)*</b>
4. Equivalent Allowable Emissions: <b>201.75</b> lb/hour <b>N/A</b> tons/year
5. Method of Compliance: <b>CEM and annual stack test with USEPA Method 10 pursuant to PSD Permit Number PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A.</b>  <b>*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrence.</b>

**B.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>200 ppmdv 7% O<sub>2</sub> (24-hour average)</b>
4. Equivalent Allowable Emissions: <b>N/A</b> lbs/hour <b>441.85</b> tons/year
5. Method of Compliance: <b>CEM pursuant to PSD Permit PSD-FL-108A</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = 40 CFR 60, Subpart Ca and PSD-FL-108A.</b>  <b>*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrence.</b>

Emissions Unit 001 - 16

## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 4 of 11**

1. Pollutant Emitted: <b>H110 (Lead)</b>		
2. Total Percent Efficiency of Control:	<b>% Not Applicable - Section III E.2</b>	
3. Primary Control Device Code: <b>010</b>		
4. Secondary Control Device Code: <b>067</b>		
5. Potential Emissions:	<b>0.165 lb/hour</b>	<b>0.723 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b><math>4 \times 10^{-4}</math> lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{4 \times 10^{-4} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{0.165 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		



Emissions Unit Information Section 1 of 17

Allowable Emissions (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <p style="text-align: right;"><b><math>4 \times 10^{-4}</math> lb/MMBTU</b></p>
4. Equivalent Allowable Emissions: <b>0.165 lb/hour</b> <b>0.723 tons/year</b>
5. Method of Compliance: <b>Annual stack test with USEPA Method 12 pursuant to PSD Permit Number PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emissions Unit 001 - 18

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 5 of 11**

1. Pollutant Emitted: <b>H114 (Mercury)</b>		
2. Total Percent Efficiency of Control: <b>97% from Acceptance Test</b>		
3. Primary Control Device Code: <b>010</b> <i>ESP</i>		
4. Secondary Control Device Code: <b>067</b> <i>spray drier</i>		
5. Potential Emissions:	<b>0.149 lb/hour</b>	<b>0.65 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b><math>3.6 \times 10^{-4}</math> lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{3.6 \times 10^{-4} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{0.149 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 1 of 17

Allowable Emissions (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <p style="text-align: center;"><b><math>3.6 \times 10^{-4}</math> lb/MMBTU</b></p>
4. Equivalent Allowable Emissions: <b>0.149 lb/hour</b> <b>0.65 tons/year</b>
5. Method of Compliance: <b>Annual stack test with USEPA Method 101A pursuant to PSD Permit Number PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emissions Unit 001 - 20

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 6 of 11**

1. Pollutant Emitted: <b>H021 (Beryllium)</b>
2. Total Percent Efficiency of Control:     % <b>Not Applicable - Section III E.2</b>
3. Primary Control Device Code: <b>010</b>
4. Secondary Control Device Code: <b>067</b>
5. Potential Emissions: <b>3.01 x 10<sup>-4</sup> lb/hour</b> <b>13.18 x 10<sup>-4</sup> tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3     _____ to _____ tons/year
8. Emission Factor: <b>7.3 x 10<sup>-7</sup> lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions:  $\frac{7.3 \times 10^{-7} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{3.01 \times 10^{-4} \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emissions Unit Information Section 1 of 17

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: $7.3 \times 10^{-7}$ lb/MMBTU
4. Equivalent Allowable Emissions: $3.01 \times 10^{-4}$ lb/hour $13.18 \times 10^{-4}$ tons/year
5. Method of Compliance: <b>Annual stack test with USEPA Method 104 pursuant to PSD Permit Number PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 7 of 11**

1. Pollutant Emitted: <b>FL (Fluoride)</b>	
2. Total Percent Efficiency of Control: % <b>Not Applicable - Section III E.2</b>	
3. Primary Control Device Code: <b>010</b>	
4. Secondary Control Device Code: <b>067</b>	
5. Potential Emissions:	<b>1.32 lb/hour</b> <b>5.78 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3                      _____ to _____ tons/year	
8. Emission Factor: <b>0.0032 lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions:  $\frac{0.0032 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{1.32 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit Information Section 1 of 17

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>0.0032 lb/MMBTU</b>
4. Equivalent Allowable Emissions: <b>1.32 lb/hour</b> <b>5.78 tons/year</b>
5. Method of Compliance: <b>Annual stack test with USEPA Method 13A or 13B pursuant to PSD Permit Number PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

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## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 8 of 11**

1. Pollutant Emitted: <b>VOC</b>
2. Total Percent Efficiency of Control:    % <b>Not Applicable - Section III E.2</b>
3. Primary Control Device Code: <b>010</b>
4. Secondary Control Device Code: <b>067</b>
5. Potential Emissions: <b>6.60 lb/hour</b> <b>28.91 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3           _____ to _____ tons/year
8. Emission Factor: <b>0.016 lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions: $\frac{0.016 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{6.60 \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:



**Emissions Unit Information Section 1 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <p style="text-align: center;"><b>0.016 lb/MMBTU</b></p>
4. Equivalent Allowable Emissions: <b>6.60 lb/hour</b> <b>28.91 tons/year</b>
5. Method of Compliance: <b>Annual stack test with USEPA Method 25 or 25A pursuant to PSD Permit Number PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 9 of 11**

1. Pollutant Emitted: <b>SO<sub>2</sub></b>			
2. Total Percent Efficiency of Control:		<b>70 %</b>	
3. Primary Control Device Code: <b>067</b>			
4. Secondary Control Device Code: <b>010</b>			
5. Potential Emissions:		<b>34.62</b> lb/hour	<b>151.64</b> tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year			
8. Emission Factor: <b>70% removal or 30 ppm<sub>dv</sub> at 7% O<sub>2</sub> (24-hour geometric mean)</b> Reference: <b>Permit Number: PSD-FL-108A</b>			
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions: $\frac{30 \text{ ppm}_{dv}}{1 \times 10^6} \text{ at } 7\% \text{ O}_2 \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{64.07 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{34.62 \text{ lb}}{\text{hr}}$			
11. Pollutant Potential/Estimated Emissions Comment: <b>See Appendix F-1 for SO<sub>2</sub> emissions from natural gas burners during warm-up.</b>			

**Emissions Unit Information Section 1 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>70% removal or 30 ppmdv at 7% O<sub>2</sub> (24-hour geometric mean)*</b>
4. Equivalent Allowable Emissions: <b>34.62</b> lb/hour <b>151.64</b> tons/year 30 ppmdv @ 7% O <sub>2</sub> (24 hour Average)
5. Method of Compliance: <b>CEM pursuant to PSD-FL-108A and annual stack test with USEPA Method 6, 6C, 8, or other method approved by FDEP.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A and 40 CFR 60, Subpart Ca.</b>  <b>*Except during start-up/shutdown/malfunction periods of maximum three hours each occurrence.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 10 of 11**

1. Pollutant Emitted: <b>HCl</b>			
2. Total Percent Efficiency of Control:		<b>90 %</b>	
3. Primary Control Device Code: <b>067</b>			
4. Secondary Control Device Code: <b>010</b>			
5. Potential Emissions: <b>16.42</b>		lbs/hour	<b>71.92</b> tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year			
8. Emission Factor: <b>90% removal or 25 ppm<sub>dv</sub> at 7% O<sub>2</sub> (three run test average)</b> Reference: <b>Permit Number: PSD-FL-108A</b>			
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions:  $\frac{25 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{36.47 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{16.42 \text{ lb}}{\text{hr}}$			
11. Pollutant Potential/Estimated Emissions Comment:			

**Emissions Unit Information Section 1 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>90% removal or 25 ppmdv at 7% O<sub>2</sub> (3 run test average)</b>
4. Equivalent Allowable Emissions: <b>16.42</b> lbs/hour <b>71.92</b> tons/year
5. Method of Compliance: <b>USEPA Method 26 or other method approved by FDEP and USEPA.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A and 40 CFR 60, Subpart Ca.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

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**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 11 of 11**

1. Pollutant Emitted: <b>Diox (Dioxins and Furans)</b>
2. Total Percent Efficiency of Control: % <b>Not Applicable</b>
3. Primary Control Device Code: <b>067</b>
4. Secondary Control Device Code: <b>010</b>
5. Potential Emissions: <b>2.60 x 10<sup>-4</sup></b> lbs/hour <b>1.14 x 10<sup>-3</sup></b> tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year
8. Emission Factor: <b>60 ng/dscm at 7% O<sub>2</sub> total dioxins/furans</b> Reference: <b>Permit Number: PSD-FL- 108 A</b>
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions:  $60 \text{ ng / dscm at } 7\% \text{ O}_2 \times 0.0283 \times \frac{115693.8 \text{ dscf}}{\text{min}} \text{ at } 7\% \text{ O}_2 \times 2.205 \times \frac{10^{-12} \text{ lb}}{\text{ng}} \times \frac{60 \text{ min}}{\text{hr}} =$ $\frac{2.60 \times 10^{-4} \text{ lb}}{\text{hour}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emissions Unit Information Section 1 of 17

Allowable Emissions (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>60 ng/dscm at 7% O<sub>2</sub> (total)</b>
4. Equivalent Allowable Emissions: <b><math>2.60 \times 10^{-4}</math></b> lbs/hour <b><math>1.14 \times 10^{-3}</math></b> tons/year
5. Method of Compliance: <b>Annual stack test with USEPA Method 23 pursuant to PSD-FL- 108A .</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD Permit PSD-FL-108A and 40 CFR 60, Subpart Ca.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                               lb/hr                               tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

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**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: <b>10<sup>a</sup> %</b> Exceptional Conditions: <b>&gt;10<sup>b</sup> %</b> Maximum Period of Excess Opacity Allowed: <b>60<sup>b</sup> min/hour</b>
4. Method of Compliance:  <b>Continuous Opacity Monitor (COMs) and annual stack test with USEPA Method 9 pursuant to PSD-FL-108A.</b>	
5. Visible Emissions Comment:  <b><sup>a</sup>Pursuant to 40 CFR 60, Subpart Ca - 6-minute block average. <sup>b</sup>Maximum duration of start-up, shutdown, and malfunction not to exceed three hours per occurrence pursuant to PSD-FL-108A.</b>	



**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor 1 of 8

1. Parameter Code: <b>O<sub>2</sub></b>
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Kent-Taylor</b> Model Number: <b>Z-69M/20/011</b> Serial Number: <b>F/10228/1/3</b>
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>
6. Continuous Monitor Comment: <b>O<sub>2</sub> monitor required pursuant to PSD-FL-108A.</b>

**Continuous Monitoring System:** Continuous Monitor 2 of 8

1. Parameter Code: <b>CO<sub>2</sub></b>
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Milton Roy</b> <b>Flue:</b> Model Number: <b>3300</b> Serial Number: <b>N2J4635T</b> <b>Stack:</b> Model Number: <b>3300</b> Serial Number: <b>N2C2522T</b>
4. Installation Date (DD-MON-YYYY): <b>October 1989</b>
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>
6. Continuous Monitor Comment: <b>CO<sub>2</sub> monitor required pursuant to PSD-FL-108A</b>

Emissions Unit Information Section 1 of 17

Continuous Monitoring System: Continuous Monitor 3 of 8

1. Parameter Code: <b>SO<sub>2</sub></b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: <b>Fluorescent SO<sub>2</sub> Monitor</b> Manufacturer: <b>Thermo Environmental Instruments</b> <b>Flue:</b> Model Number: <b>43A</b> Serial Number: <b>43A-23370-210</b> <b>Stack:</b> Model Number: <b>43A</b> Serial Number: <b>43A-233581-245</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>		
6. Continuous Monitor Comment: <b>SO<sub>2</sub> monitor required pursuant to PSD-FL-108A.</b>		

Continuous Monitoring System: Continuous Monitor 4 of 8

1. Parameter Code: <b>CO</b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: <b>Gas filter correlation/non-dispersive infrared CO analyzer</b> Manufacturer: <b>Thermo Environmental Instruments</b> Model Number: <b>48</b> Serial Number: <b>48-23415-210</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27,1989</b>		
6. Continuous Monitor Comment: <b>CO monitor required pursuant to PSD-FL-108A.</b>		

Emissions Unit Information Section 1 of 17

Continuous Monitoring System: Continuous Monitor 5 of 8

1. Parameter Code: <b>NO<sub>x</sub></b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: <b>Chemiluminescent NO<sub>x</sub> analyzer</b> Manufacturer: <b>Thermo Environmental Instruments</b> Model Number: <b>14B/E</b> Serial Number: <b>14B-E-22764-207</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>		
6. Continuous Monitor Comment: <b>NO<sub>x</sub> monitor required pursuant to PSD-FL-108A.</b>		

Continuous Monitoring System: Continuous Monitor 6 of 8

1. Parameter Code: <b>Temperature (outlet of SDA)</b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Omega</b> Model Number: <b>RTD-0100</b> Serial Number: <b>N/A</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>		
6. Continuous Monitor Comment:  <b>Temperature monitor required pursuant to PSD-FL-108A.</b>		

Emissions Unit Information Section 1 of 17

Continuous Monitoring System: Continuous Monitor 7 of 8

1. Parameter Code: <b>VE (Opacity)</b>	
2. CMS Requirement:	[ ] Rule [ X ] Other
3. Monitor Information: Manufacturer: <b>Durag</b> Model Number: <b>DR-281</b> Serial Number: <b>CEMOP-057-26942</b>	
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>	
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>	
6. Continuous Monitor Comment:  <b>Opacity monitor required pursuant to PSD-FL-108A.</b>	

Continuous Monitoring System: Continuous Monitor 8 of 8

1. Parameter Code: <b>Flow (steam)</b>	
2. CMS Requirement:	[ X ] Rule [ ] Other
3. Monitor Information: Manufacturer: <b>Yokogawa</b> Model Number: <b>YA11F</b> Serial Number: <b>F522CA1-U 419</b>	
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>	
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>	
6. Continuous Monitor Comment:  <b>Steam flow monitor required pursuant to PSD-FL-108A.</b>	

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**H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION**

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

[ X ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

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**Emissions Unit Information Section 1 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM		lb/hour	tons/year
SO2		lb/hour	tons/year
NO2			tons/year
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested  <b>Document ID: Appendix C-3</b></p>
<p>2. Fuel Analysis or Specification  [ ] Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested  <b>Document ID:</b></p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested  <b>Document ID: Construction Agreement Appendix A, Section 3.3.7, Appendix D-1</b></p>
<p>4. Description of Stack Sampling Facilities  <input checked="" type="checkbox"/> Attached, [ ] Not Applicable [ ] Waiver Requested  <b>Document ID: Appendix E-1</b></p>
<p>5. Compliance Test Report  [ ] Attached, Document ID: _____   <input checked="" type="checkbox"/> Previously submitted, Date: <b>January 1, 1990</b>   [ ] Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input checked="" type="checkbox"/> Attached [ ] Not Applicable  <b>Document ID: Appendix E-2</b></p>
<p>7. Operation and Maintenance Plan  <input checked="" type="checkbox"/> Attached [ ] Not Applicable  <b>Document ID: Appendix E-3</b></p>
<p>8. Supplemental Information for Construction Permit Application  [ ] Attached [ <input checked="" type="checkbox"/> ] Not Applicable  <b>Document ID:</b></p>
<p>9. Other Information Required by Rule or Statute  [ ] Attached [ <input checked="" type="checkbox"/> ] Not Applicable  <b>Document ID:</b></p>

Emissions Unit Information Section 1 of 17

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, <input checked="" type="checkbox"/> Not Applicable Document ID:
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable



### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: <b>Boiler #2</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>RDF Boiler</b> Manufacturer: <b>Babcock &amp; Wilcox</b> Model Number: <b>Sterling Power Boiler</b>		
9. Generator Nameplate Rating: <b>62.0 MW</b>		
10. Incinerator Information: Dwell Temperature: <b>1800+</b> °F Dwell Time: <b>one (1)</b> seconds Incinerator Afterburner Temperature :°F <b>Not Applicable</b>		
11. Emissions Unit Comment: <b>Shares turbine for Boiler #1.</b>		

Emission Unit 002 - 2

**Emissions Unit Control Equipment**

**A.**

1. Description: <b>Spray Dryer Absorber</b>
2. Control Device or Method Code: <b>067</b>

**B.**

1. Description: <b>Electrostatic Precipitator</b>
2. Control Device or Method Code: <b>010</b>

**C.**

1. Description:
2. Control Device or Method Code:

Emission Unit 002 - 3

Emissions Unit Information Section 2 of 17

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate:		<b>412.5 mmBtu/hr</b>
2. Maximum Incineration Rate:	<b>75,000 lb/hr</b>	<b>900 tons/day</b>
3. Maximum Process or Throughput Rate:	<b>NOT APPLICABLE</b>	
4. Maximum Production Rate:	<b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	<b>Maximum capacity is based on reference heating value of 5,500 BTU/lb RDF.</b>	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emission Unit 002 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emission Unit 002 - 5

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

40 CFR 60, Subpart Ca	Emission Guidelines for Municipal Waste Combustors
62-213 F.A.C	Operating Permits for Major Sources
All Other Regulations in the Title V Core List	

Emission Unit 002 - 6

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Drawing 07187-016-096, G-1 &amp; G-2 (Appendix A-2)</b>	
2. Emission Point Type Code: [            ] 1 <input checked="" type="checkbox"/> 2            [   ] 3            [   ] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit:  <b>Each boiler has an independent Air Pollution Control (APC) train. The flue gas from each APC train will exhaust through a common stack.</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>Boiler #1 and Boiler #2 exhaust to a common stack consisting of three flues. Boiler #1 and Boiler #2 have a separate flue each. The third flue is for any future boiler additions.</b>	
5. Discharge Type Code: [            ] D                            [   ] F                            [   ] H                            [   ] P [            ] R <input checked="" type="checkbox"/> V                            [   ] W	
6. Stack Height:	<b>250 feet</b>
7. Exit Diameter:	<b>5 feet</b>
8. Exit Temperature:	<b>300 °F</b>
9. Actual Volumetric Flow Rate:	<b>198,774 acfm</b>

Emission Unit 002 - 7

Emissions Unit Information Section 2 of 17

10. Percent Water Vapor :	20 %
11. Maximum Dry Standard Flow Rate:	159,019 dscfm
12. Nonstack Emission Point Height:	NOT APPLICABLE feet
13. Emission Point UTM Coordinates: Zone: 17 East (km): 585.82 North (km): 2960.474	
14. Emission Point Comment:	

**Worst-case emissions will occur at the permitted limit of 412.5 MMBTU/hr. which is 100% of thermal load.**

Emission Unit 002 - 8



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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

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

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): <b>Combustion boiler for electric generation with refuse derived fuel (emissions related to tons of RDF burned).</b>	
2. Source Classification Code (SCC): <b>10101202</b>	
3. SCC Units: <b>Tons of RDF burned.</b>	
4. Maximum Hourly Rate: <b>N/A</b>	5. Maximum Annual Rate: <b>N/A</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>11 MMBTU/ton of RDF</b>	
10. Segment Comment:	

Emissions Unit Information Section 2 of 17

**Segment Description and Rate:** Segment 2 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>Combustion boiler for electric generation with natural gas (emissions related to MM cu. ft. of natural gas burned).</b>	
2. Source Classification Code (SCC): <b>10100601</b>	
3. SCC Units: <b>MM cu. ft. of natural gas burned</b>	
4. Maximum Hourly Rate: <b>0.2</b>	5. Maximum Annual Rate: <b>See Note Below</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>Negligible</b>	8. Maximum Percent Ash: <b>Negligible</b>
9. Million Btu per SCC Unit: <b>1056.7 BTU/cu.ft.</b>	
10. Segment Comment:  <b>Maximum annual rate for auxiliary gas burners is defined in Specific Condition 9 of the PSD Permit and in 40 CFR 60.43 B(d) at less than 10 percent.</b>	

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## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 11**

1. Pollutant Emitted: <b>PM</b>			
2. Total Percent Efficiency of Control:		<b>99 %</b>	
3. Primary Control Device Code: <b>010</b>			
4. Secondary Control Device Code: <b>067</b>			
5. Potential Emissions:	<b>14.875</b>	lb/hour	<b>65.15</b> tons/year
<b>grains / dscf (Permit Conditions)</b>			
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year			
8. Emission Factor: <b>0.015 gr/dscf at 7% O<sub>2</sub></b> Reference: <b>Permit Number: PSD-FL-108A</b>			
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions:  $0.015 \text{ gr / dscf at } 7\% \text{ O}_2 \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{1 \text{ lb}}{7000 \text{ grains}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{14.875 \text{ lb}}{\text{hr}}$			
11. Pollutant Potential/Estimated Emissions Comment:  <b>See Appendix F-1 for PM emissions from natural gas burners during warm-up.</b>			

Emission Unit 002 - 11

Emissions Unit Information Section 2 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>0.015 gr/dscf at 7% O<sub>2</sub></b>
4. Equivalent Allowable Emissions: <b>14.875</b> lb/hour <b>65.15</b> tons/year
5. Method of Compliance: <b>Annual stack test with USEPA Method 5 pursuant to PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = 40 CFR, Subpart Ca and PSD-FL-108A.</b>

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

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**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 2 of 11**

1. Pollutant Emitted: <b>NO<sub>x</sub></b>		
2. Total Percent Efficiency of Control:	<b>NOT APPLICABLE %</b>	
3. Primary Control Device Code: <b>NOT APPLICABLE</b>		
4. Secondary Control Device Code: <b>NOT APPLICABLE</b>		
5. Potential Emissions:	<b>198 lb/hour</b>	<b>867.24 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.48 lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{0.48 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{198 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:  <b>See Appendix F-1 for NO<sub>x</sub> emissions from natural gas burners during warm-up.</b>		

Emissions Unit Information Section 2 of 17

Allowable Emissions (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>		
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>		
3. Requested Allowable Emissions and Units: <b>0.48 lb/MMBTU (24-hour block average)*</b>		
4. Equivalent Allowable Emissions:	<b>198 lb/hour</b>	<b>867.24 tons/year</b>
5. Method of Compliance:  <b>CEM and annual stack test with USEPA Method 7, 7A, 7B, 7C, 7D, or other methods approved by FDEP pursuant to PSD Permit Number PSD-FL-108A.</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD permit number PSD-FL-108A.</b>  <b>*Except for start-up/shutdown/malfunction period of maximum three hours per occurrence.</b>		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

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**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 3 of 11**

1. Pollutant Emitted: <b>CO</b>			
2. Total Percent Efficiency of Control:		<b>NOT APPLICABLE %</b>	
3. Primary Control Device Code: <b>NOT APPLICABLE</b>			
4. Secondary Control Device Code: <b>NOT APPLICABLE</b>			
5. Potential Emissions:	<b>201.75</b>	lb/hour	<b>441.85</b> tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year			
8. Emission Factor: <b>400 ppm<sub>dv</sub> at 7% O<sub>2</sub> (1-hour average)</b> <b>200 ppm<sub>dv</sub> at 7% O<sub>2</sub> (24 Hour daily average)</b> Reference: <b>Permit Number: PSD-FL-108A</b>			
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions:  $\frac{400 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115,693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{28.01 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{20.75 \text{ pounds}}{\text{hour}} \quad 200 \text{ ppm}_{dv} \text{ @ } 7\% \text{ O}_2 = 100.88 \text{ pounds/hour}$			
11. Pollutant Potential/Estimated Emissions Comment:  <b>See Appendix F-1 for CO emissions from natural gas burners during warm-up.</b>			

Emissions Unit Information Section 2 of 17

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>400 ppmdv at 7% O<sub>2</sub> (1-hour average)*</b>
4. Equivalent Allowable Emissions: <b>201.75</b> lb/hour <b>N/A</b> tons/year
5. Method of Compliance: <b>CEM and annual stack test with USEPA Method 10 pursuant to PSD permit PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD permit number PSD-FL-108A.</b>  <b>*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrence.</b>

**B.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>200 ppmdv at 7% O<sub>2</sub> (24-hour average)</b>
4. Equivalent Allowable Emissions: <b>N/A</b> lb/hr <b>441.85</b> tons/year
5. Method of Compliance: <b>CEM pursuant to PSD permit PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = 40 CFR 60, Subpart Ca and PSD-FL-108A.</b>  <b>*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrence.</b>

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**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 4 of 11**

1. Pollutant Emitted: <b>H110 (Lead)</b>		
2. Total Percent Efficiency of Control:     % <b>Not Applicable - Section III E.2</b>		
3. Primary Control Device Code: <b>010</b>		
4. Secondary Control Device Code: <b>067</b>		
5. Potential Emissions:	<b>0.165 lb/hour</b>	<b>0.723 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3           _____ to _____ tons/year		
8. Emission Factor: <b><math>4 \times 10^{-4}</math> lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{4 \times 10^{-4} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{0.165 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emission Unit 002 - 17

**Emissions Unit Information Section 2 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>		
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>		
3. Requested Allowable Emissions and Units: <b>4 x 10<sup>-4</sup> lb/MMBTU</b>		
4. Equivalent Allowable Emissions:	<b>0.165 lb/hour</b>	<b>0.723 tons/year</b>
5. Method of Compliance:  <b>Annual stack test with USEPA Method 12 pursuant to PSD-FL-108A.</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD permit number PSD-FL-108A.</b>		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

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## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 5 of 11

1. Pollutant Emitted: <b>H114 (Mercury)</b>		
2. Total Percent Efficiency of Control: <b>97% (Acceptance Test Value)</b>		
3. Primary Control Device Code: <b>010</b>		
4. Secondary Control Device Code: <b>067</b>		
5. Potential Emissions:	<b>0.149 lb/hour</b>	<b>0.65 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b><math>3.6 \times 10^{-4}</math> lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{3.6 \times 10^{-4} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{0.149 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

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Emissions Unit Information Section 2 of 17

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>		
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>		
3. Requested Allowable Emissions and Units: <b><math>3.6 \times 10^{-4}</math> lb/MMBTU</b>		
4. Equivalent Allowable Emissions:	<b>0.149 lb/hour</b>	<b>0.65 tons/year</b>
5. Method of Compliance:  <b>Annual stack test with USEPA Method 101 pursuant to PSD-FL-108A.</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD permit number PSD-FL-108A.</b>		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 6 of 11**

1. Pollutant Emitted: <b>H021 (Beryllium)</b>
2. Total Percent Efficiency of Control:     % <b>Not Applicable Section III E.2</b>
3. Primary Control Device Code: <b>010</b>
4. Secondary Control Device Code: <b>067</b>
5. Potential Emissions: <b><math>3.01 \times 10^{-4}</math> lb/hour</b> <b><math>13.18 \times 10^{-4}</math> tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3       _____ to _____ tons/year
8. Emission Factor: <b><math>7.3 \times 10^{-7}</math> lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions:  $\frac{7.3 \times 10^{-7} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{3.01 \times 10^{-4} \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

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**Emissions Unit Information Section 2 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b><math>7.3 \times 10^{-7}</math> lb/MMBTU</b>
4. Equivalent Allowable Emissions: <b><math>3.01 \times 10^{-4}</math> lb/hour    <math>13.18 \times 10^{-4}</math> tons/year</b>
5. Method of Compliance: <b>Annual stack test with USEPA Method 104 pursuant to PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD permit number PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

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**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 7 of 11**

1. Pollutant Emitted: <b>FL (fluoride)</b>
2. Total Percent Efficiency of Control:    % <b>Not Applicable Section III E.2</b>
3. Primary Control Device Code: <b>010</b>
4. Secondary Control Device Code: <b>067</b>
5. Potential Emissions: <b>1.32 lb/hour</b> <b>5.78 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3       _____ to _____ tons/year
8. Emission Factor: <b>0.0032 lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions:  $\frac{0.0032 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{1.32 \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emission Unit 002 - 23

**Emissions Unit Information Section 2 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>0.0032 lb/MMBTU</b>
4. Equivalent Allowable Emissions: <b>1.32 lb/hour    5.78 tons/year</b>
5. Method of Compliance:  <b>Annual stack test with USEPA Method 13A or 13B pursuant to PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):  <b>Basis for allowable emissions = PSD permit number PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                               lb/hr                               tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emission Unit 002 - 24



**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 8 of 11**

1. Pollutant Emitted: <b>VOC</b>
2. Total Percent Efficiency of Control:    % <b>Not Applicable Section III E.2</b>
3. Primary Control Device Code: <b>010</b>
4. Secondary Control Device Code: <b>067</b>
5. Potential Emissions: <b>6.60 lb/hour</b> <b>28.91 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3       _____ to _____ tons/year
8. Emission Factor: <b>0.016 lb/MMBTU</b> Reference: <b>Permit Number: PSD-FL-108A</b>
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions:  $\frac{0.016 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{6.60 \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emission Unit 002 - 25

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>0.016 lb/MMBTU</b>
4. Equivalent Allowable Emissions: <b>6.60lb/hour    28.91 tons/year</b>
5. Method of Compliance:  <b>Annual stack test with USEPA Method 25 or 25A pursuant to PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):  <b>Basis for allowable emissions = PSD permit number PSD-FL-108A.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                               lb/hr                               tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emissions Unit Information Section 2 of 17

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 9 of 11**

1. Pollutant Emitted: <b>SO<sub>2</sub></b>	
2. Total Percent Efficiency of Control:	<b>70 %</b>
3. Primary Control Device Code: <b>067</b>	
4. Secondary Control Device Code: <b>010</b>	
5. Potential Emissions:	<b>34.62 lb/hour 151.64 tons/year</b>
Acceptance Test	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year	
8. Emission Factor: <b>70% removal or 30 ppmdv at 7% O<sub>2</sub> (24-hour geometric mean)</b> Reference: <b>Permit Number: PSD-FL-108A</b>	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions:  $\frac{30 \text{ ppmdv at } 7\% \text{ O}_2}{1 \times 10^6} \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{64.07 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{34.62 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:  <b>See Appendix F-1 for SO<sub>2</sub> emissions from natural gas burned during warm-up.</b>	

Emission Unit 002 - 27

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>70% removal or 30 ppmdv at 7% O<sub>2</sub> (24-hour geometric mean)*</b>
4. Equivalent Allowable Emissions: <b>34.62</b> lb/hour <b>151.64</b> tons/year
5. Method of Compliance: <b>CEM and Annual stack test with USEPA Method 6, 6C, 8, or other methods approved by FDEP pursuant to PSD-FL-108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): <b>Basis for allowable emissions = PSD permit number PSD-FL-108A and 40 CFR 60, Subpart Ca.</b>  <b>*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrence.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emission Unit 002 - 28

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 10 of 11**

1. Pollutant Emitted: <b>HCl</b>	
2. Total Percent Efficiency of Control:	<b>90 %</b>
3. Primary Control Device Code: <b>067</b>	
4. Secondary Control Device Code: <b>010</b>	
5. Potential Emissions: <b>16.42</b> lb/hour <b>71.92</b> tons/year	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year	
8. Emission Factor: <b>90% removal or 25 ppm<sub>dv</sub> at 7% O<sub>2</sub> (3 run test average)</b> Reference: <b>Permit Number: PSD-FL-108A</b>	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions:  $\frac{25 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115,93.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{36.47 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{1642 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit Information Section 2 of 17

**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>removal or 25 ppmdv at 7% O<sub>2</sub> (3 run test average)</b>
4. Equivalent Allowable Emissions: <b>16.42</b> lb/hour <b>71.92</b> tons/year
5. Method of Compliance:  <b>USEPA Method 26 or other methods approved by FDEP and USEPA.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):  <b>Basis for allowable emissions = PSD permit number PSD-FL-108A and 40 CFR 60, Subpart Ca.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

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## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 11 of 11

1. Pollutant Emitted: <b>Diox (Dioxins and Furans)</b>
2. Total Percent Efficiency of Control: % <b>Not Applicable Section III E.2</b>
3. Primary Control Device Code: <b>067</b>
4. Secondary Control Device Code: <b>010</b>
5. Potential Emissions: <b>2.60 x 10<sup>-4</sup></b> lb/hour <b>1.14 x 10<sup>-3</sup></b> tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year
8. Emission Factor: <b>60 ng/dscm at 7% O<sub>2</sub> (Total dioxins/furans)</b> Reference: <b>Permit Number:</b>
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions:  $\frac{60 \text{ ng} \times 0.0283}{\text{dscm at } 7\% \text{ O}_2} \times \frac{115,693.8 \text{ dscf at } 7\% \text{ O}_2}{\text{min}} \times 2.205 \times \frac{10^{-12} \text{ lb}}{\text{ng}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{2.60 \times 10^{-4} \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

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**Allowable Emissions** (Pollutant identified on front of page)

**A.**

1. Basis for Allowable Emissions Code: <b>Rule/Other</b>
2. Future Effective Date of Allowable Emissions: <b>NOT APPLICABLE</b>
3. Requested Allowable Emissions and Units: <b>60 ng/dscm at 7% O<sub>2</sub> (total)</b>
4. Equivalent Allowable Emissions: <b>2.60 x 10<sup>-4</sup></b> lb/hour <b>1.14 x 10<sup>-3</sup></b> tons/year
5. Method of Compliance:  <b>Annual stack test with USEPA Method 23 pursuant to PSD-FL- 108A.</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):  <b>Basis for allowable emissions = PSD permit number PSD-FL-108A and 40 CFR 60, Subpart Ca.</b>

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

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**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: <b>10<sup>a</sup> %</b> Exceptional Conditions: <b>&gt;10<sup>b</sup> %</b> Maximum Period of Excess Opacity Allowed: <b>60<sup>b</sup> min/hour</b>
4. Method of Compliance:	<b>Continuous Opacity Monitor (COMs) and annual stack test with USEPA Method 9 pursuant to PSD-FL-108A.</b>
5. Visible Emissions Comment:	<b><sup>a</sup>Pursuant to 40 CFR 60, Subpart, Ca - 6-minute block average. <sup>b</sup>Maximum duration of start-up, shutdown, and malfunction not to exceed three hours per occurrence pursuant to PSD-FL-108A.</b>

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor 1 of 8

1. Parameter Code: <b>O<sub>2</sub></b>
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Kent-Taylor</b> Model Number: <b>Z-69M/20/011</b> Serial Number: <b>F/13664/3/2</b>
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>
6. Continuous Monitor Comment: <b>O<sub>2</sub> monitor required pursuant to PSD-FL-108A.</b>

**Continuous Monitoring System:** Continuous Monitor 2 of 8

1. Parameter Code: <b>CO<sub>2</sub></b>
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Milton-Roy</b> <b>Flue:</b> Model Number: <b>3300</b> Serial Number: <b>N3A2472T</b> <b>Stack:</b> Model Number: <b>3300</b> Serial Number: <b>N3A2463T</b>
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>
6. Continuous Monitor Comment: <b>CO<sub>2</sub> monitor required pursuant to PSD-FL-108A.</b>

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Emissions Unit Information Section 2 of 17

Continuous Monitoring System: Continuous Monitor 3 of 8

1. Parameter Code: <b>SO<sub>2</sub></b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: <b>Fluorescent SO<sub>2</sub> analyzer</b> Manufacturer: <b>Thermo Environmental Instruments</b> <b>Flue:</b> Model Number: <b>43A</b> Serial Number: <b>43A-41813-266</b> <b>Stack:</b> Model Number: <b>43A</b> Serial Number: <b>43A-41812-266</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>		
6. Continuous Monitor Comment:  <b>SO<sub>2</sub> monitor required pursuant to PSD-FL-108A.</b>		

Continuous Monitoring System: Continuous Monitor 4 of 8

1. Parameter Code: <b>CO</b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: <b>Gas filter correlation/non-dispersive infrared CO analyzer</b> Manufacturer: <b>Thermo Environmental Instruments</b> Model Number: <b>48</b> Serial Number: <b>48-23414-210</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>		
6. Continuous Monitor Comment:  <b>CO monitor required pursuant to PSD-FL-108A.</b>		

**Emissions Unit Information Section 2 of 17**

**Continuous Monitoring System: Continuous Monitor 5 of 8**

1. Parameter Code: <b>NO<sub>x</sub></b>
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: <b>Chemiluminescent NO<sub>x</sub> analyzer</b> Manufacturer: <b>Thermo Environmental Instruments</b> Model Number: <b>14B/E</b> Serial Number: <b>14B-E-23300-209</b>
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>
6. Continuous Monitor Comment:  <b>NO<sub>x</sub> monitor required pursuant to PSD-FL-108A.</b>

**Continuous Monitoring System: Continuous Monitor 6 of 8**

1. Parameter Code: <b>Temperature (outlet of SDA)</b>
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Omega</b> Model Number: <b>RTD-0100</b> Serial Number: <b>N/A</b>
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>
6. Continuous Monitor Comment:  <b>Temperature monitor required pursuant to PSD-FL-108A.</b>

**Emissions Unit Information Section 2 of 17**

**Continuous Monitoring System: Continuous Monitor 7 of 8**

1. Parameter Code: <b>VE (Opacity)</b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Durag</b> Model Number: <b>DR-281</b> Serial Number: <b>CEMOP-057-26943</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>		
6. Continuous Monitor Comment:  <b>Opacity monitor required pursuant to PSD-FL-108A.</b>		

**Continuous Monitoring System: Continuous Monitor 8 of 8**

1. Parameter Code: <b>Flow (steam)</b>		
2. CMS Requirement:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Monitor Information: Manufacturer: <b>Yokogawa</b> Model Number: <b>YA11F-SHS4</b> Serial Number: <b>F522OA173 410</b>		
4. Installation Date (DD-MON-YYYY): <b>October, 1989</b>		
5. Performance Specification Test Date (DD-MON-YYYY): <b>October 23-27, 1989</b>		
6. Continuous Monitor Comment:  <b>Steam Flow monitor required pursuant to PSD-FL-108A.</b>		

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**H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION**

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

[ X ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

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**Emissions Unit Information Section 2 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour		tons/year
SO2	lb/hour		tons/year
NO2			tons/year
5. PSD Comment:			

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**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                      Document ID: <b>Appendix C-3</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                      Document ID: _____</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                      Document ID: <b>Construction Agreement, Appendix A, Section 3.3.7, Appendix D-1</b></p>
<p>4. Description of Stack Sampling Facilities  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                      Document ID: <b>Appendix E-1</b></p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____  <input checked="" type="checkbox"/> Previously submitted, Date: January, 1990  <input type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable                      Document ID: <b>Appendix E-2</b></p>
<p>7. Operation and Maintenance Plan  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable                      Document ID: <b>Appendix E-3</b></p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                      Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                      Document ID: _____</p>



**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation

Attached  Not Applicable

Document ID: \_\_\_\_\_

11. Alternative Modes of Operation (Emissions Trading)

Attached  Not Applicable

Document ID: \_\_\_\_\_

12. Enhanced Monitoring Plan

Attached  Not Applicable

Document ID: \_\_\_\_\_

13. Identification of Additional Applicable Requirements

Attached  Not Applicable

Document ID: \_\_\_\_\_

14. Acid Rain 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: \_\_\_\_\_

Not Applicable

Emission Unit 002 - 41

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 003 - 1

**Emissions Unit Information Section 3 of 17**

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section: <b>RDF Process Line A</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature:                    °F Dwell Time:                            seconds Incinerator Afterburner Temperature :°F		
11. Emissions Unit Comment:     		

Emissions Unit 003 - 2

Emissions Unit Control Equipment

A.

1. Description: <b>Dust Collector</b>
2. Control Device or Method Code: <b>018</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit 003 - 3

Emissions Unit Information Section 3 of 17

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr                      tons/day
3. Maximum Process or Throughput Rate:  <b>50,000 lbs/hr of RDF</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emissions Unit 003 - 5

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.300 F.A.C.	Stationary Sources - Permits Required
62.296.711 F.A.C.	Stationary Sources - Emission Standards - Material Handling
62-213 F.A.C.	Operating Permits
All Other Regulations in the Title V Core List	

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. <u>Identification of Point on Plot Plan or Flow Diagram:</u> <b>Drawing 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>			
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4			
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>			
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W			
6. <u>Stack Height:</u>	<b>66 ' 10.5"</b>		<u>feet</u>
7. <u>Exit Diameter:</u>	<b>59.375 "</b>	<u>feet</u>	
8. Exit Temperature:			<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:			<b>11,400 acfm</b>

Emissions Unit 003 - 7



**Emissions Unit Information Section 3 of 17**

10. Percent Water Vapor :	<b>NOT APPLICABLE %</b>
11. Maximum Dry Standard Flow Rate:	<b>NOT APPLICABLE dscfm</b>
12. Nonstack Emission Point Height:	<b>NOT APPLICABLE feet</b>
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General process (emissions related to tons processed).</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>25.0</b>	5. Maximum Annual Rate: <b>219,000</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:  <b>Maximum rate based on facility capacity to burn 900 tons per day of RDF per boiler.</b>	

## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>		
2. Total Percent Efficiency of Control: <b>99 %</b> (industry standard)		
3. Primary Control Device Code: <b>018</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>1.95 lb/hour</b>	<b>8.56 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 003 - 10

**Emissions Unit Information Section 3 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 003 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	
Normal Conditions:	<b>10 %</b>
Exceptional Conditions: <b>NOT APPLICABLE %</b>	Maximum
Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b>	min/hour
4. Method of Compliance:	
<b>Visual Observation</b>	
5. Visible Emissions Comment:	
<b>Basis for VE = Section 62-296.711 F.A.C.</b>	

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>NOT APPLICABLE</b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number: <span style="float: right;">Serial Number:</span>		
4. Installation Date (DD-MON-YYYY):		
5. Performance Specification Test Date (DD-MON-YYYY):		
6. Continuous Monitor Comment:		

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

**Emissions Unit Information Section 3 of 17**

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			



**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix C-4</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID:</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Construction Agreement, Appendix A, Section 2.1.15 Appendix D-2</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID:</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Previously submitted, Date: _____  <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID:</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID:</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID:</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID:</p>

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 004 - 1

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section: <b>RDF Process Line B</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:          		

Emissions Unit 004 - 2

Emissions Unit Control Equipment

A.

1. Description: <b>Dust Collector</b>
2. Control Device or Method Code: <b>018</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit 004 - 3

Emissions Unit Information Section 4 of 17

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate:	<b>NOT APPLICABLE</b> mmBtu/hr
2. Maximum Incineration Rate:	<b>NOT APPLICABLE</b> lb/hr tons/day
3. Maximum Process or Throughput Rate:	<b>50,000 lb/hr of RDF</b>
4. Maximum Production Rate:	<b>NOT APPLICABLE</b>
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emissions Unit 004 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emissions Unit 004 - 5

**Emissions Unit Information Section 4 of 17**

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

<b>62-210.300 F.A.C.</b>	<b>Stationary Sources - Permits Required</b>
<b>62-296.711 FAC</b>	<b>Stationary Sources - Emission Standards - Material Handling</b>
<b>62-213 F.A.C</b>	<b>Operating permits</b>



**Emissions Unit Information Section 4 of 17**

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Drawing 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: <b>66' 10.5"</b>	feet
7. Exit Diameter: <b>59.375"</b>	feet
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:	<b>11,400 acfm</b>
10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%

Emissions Unit 004 - 7

**Emissions Unit Information Section 4 of 17**

11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emissions Unit 004 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate: Segment 1 of 1**

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): <b>General Process (emissions related to tons processed)</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>25.0</b>	5. Maximum Annual Rate: <b>219,000</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:  <b>Maximum rate based on facility capacity to burn 900 tons per day of RDF per boiler.</b>	

## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: PM/PM <sub>10</sub>		
2. Total Percent Efficiency of Control: 99 % (industry standard)		
3. Primary Control Device Code: 018		
4. Secondary Control Device Code:		
5. Potential Emissions:	1.95 lb/hour	8.56 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 004 - 10

**Emissions Unit Information Section 4 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour		
4. Method of Compliance:  <b>Visual Observation</b>		
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>		

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>NOT APPLICABLE</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit 004 - 14



**Emissions Unit Information Section 4 of 17**

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM		lb/hour	tons/year
SO2		lb/hour	tons/year
NO2			tons/year
5. PSD Comment:			

**Emissions Unit Information Section 4 of 17**

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-4</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Construction Agreement, Appendix A, Section 2.1.15, Appendix D-2</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
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 Document ID: _____
7. Operation and Maintenance Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

Emissions Unit 004 - 16

Emissions Unit Information Section 4 of 17

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 005 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:  <b>RDF Process Line C</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:          		

Emissions Unit 005 - 2

Emissions Unit Control Equipment

A.

1. Description: **Dust Collector**

2. Control Device or Method Code: **018**

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emissions Unit 005 - 3

Emissions Unit Information Section 5 of 17

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b> lb/hr	tons/day
3. Maximum Process or Throughput Rate:  <b>50,000 lbs/hr RDF</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emissions Unit 005 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emissions Unit 005 - 5



Emissions Unit Information Section 5 of 17

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.300 F.A.C.	Stationary Sources - Permits Required
62-296.711 F.A.C.	Stationary Sources - Emission Standards - Materials Handling
62-213 F.A.C.	Operating Permits for Major Sources
All Other Regulations in the Title V Core List	

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:  <b>Drawing 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	<b>66' 10.5"</b> feet
7. Exit Diameter:	<b>59.375"</b> feet
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:	<b>11,400 acfm</b>
10. Percent Water Vapor :	<b>NOT APPLICABLE</b> %

Emissions Unit 005 - 7

**Emissions Unit Information Section 5 of 17**

11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emissions Unit 005 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate: Segment 1 of 1**

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General Process (emissions related to tons processed)</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>25.0</b>	5. Maximum Annual Rate: <b>219,000</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:  <b>Maximum rate based on facility capacity to burn 900 tons per day of RDF per boiler.</b>	

Emissions Unit 005 - 9

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>		
2. Total Percent Efficiency of Control: <b>99 %</b> (industry standard)		
3. Primary Control Device Code: <b>018</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>1.95 lb/hour</b>	<b>8.56 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

**Emissions Unit Information Section 5 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B. NOT APPLICABLE**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 005 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour		
4. Method of Compliance:  <b>Visual Observation</b>		
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>		

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>NOT APPLICABLE</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	



## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit 005 - 14

**Emissions Unit Information Section 5 of 17**

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

Emissions Unit 005 - 15

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix C-4</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Construction Agreement, Appendix A, Section 2.1.15 Appendix D-2</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____   <input type="checkbox"/> Previously submitted, Date: _____   <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>

Emissions Unit 005 - 16

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emission Unit 006 - 1

**Emissions Unit Information Section 6 of 17**

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section: <b>OBW process line</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:          		

Emission Unit 006 - 2

Emissions Unit Control Equipment

A.

1. Description: **Dust Collector**

2. Control Device or Method Code: **018**

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emission Unit 006 - 3

Emissions Unit Information Section 6 of 17

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b> lb/hr	tons/day
3. Maximum Process or Throughput Rate: <b>30 tons per hour of Oversize Bulky Waste and ferrous metal</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24</b> hours/day	<b>7</b> days/week
	<b>52</b> weeks/year	<b>8760</b> hours/year

Emission Unit 006 - 4



**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emission Unit 006 - 5

Emissions Unit Information Section 6 of 17

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.300 F.A.C.	Stationary Sources - Permits Required
62-296.711 F.A.C.	Stationary Sources - Emission Standards - Material Handling
62-213 F.A.C.	Operating Permits for Major Sources
All Other regulations in the Title V Core List	

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:  <b>Drawing No. 01787-016-096 G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: [ <b>X</b> ] 1                      [ ] 2                      [ ] 3                      [ ] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: [ ] D                      [ ] F                      [ ] H                      [ ] P [ ] R                      [ <b>X</b> ] V                      [ ] W	
6. Stack Height:	<b>63' 10.5"</b> feet
7. Exit Diameter:	<b>45.375"</b> feet
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:	<b>11,400 acfm</b>

Emission Unit 006 - 7

**Emissions Unit Information Section 6 of 17**

10. Percent Water Vapor : <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emission Unit 006 - 8

**Emissions Unit Information Section 6 of 17**

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate: Segment 1 of 1**

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): <b>General Process (emissions related to tons processed)</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>30 TPH of Oversize Bulky Waste</b>	5. Maximum Annual Rate: <b>262,800 TPY of Oversize Bulky Waste</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:  <b>Maximum rate based on facility capacity to burn 900 tons per day of RDF per boiler.</b>	

Emission Unit 006 - 9

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>		
2. Total Percent Efficiency of Control:	<b>99 %</b>	
3. Primary Control Device Code: <b>018</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>1.95 lb/hour</b>	<b>8.56 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 6 of 17

Allowable Emissions (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emission Unit 006 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour	
4. Method of Compliance:  <b>Visual Observation</b>	
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>	

Emission Unit 006 - 12



**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

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**Emissions Unit Information Section 6 of 17**

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM		lb/hour	tons/year
SO2		lb/hour	tons/year
NO2			tons/year
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: <b>Appendix C-5</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: _____</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: <b>Construction Agreement, Appendix A, Section 2.1.15 Appendix D-2</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: _____</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____   <input type="checkbox"/> Previously submitted, Date: _____   <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>

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**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

Emission Unit 006 - 17

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emission Unit 007 - 1



Emissions Unit Control Equipment

A.

1. Description: <b>Dust Collector</b>
2. Control Device or Method Code: <b>018</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emission Unit 007 - 3



**Emissions Unit Information Section 7 of 17**

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr tons/day
3. Maximum Process or Throughput Rate: <b>Not Applicable - Type P Discharge Section III C.5</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

Emission Unit 007 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

NOT APPLICABLE

Emission Unit 007 - 5

Emissions Unit Information Section 7 of 17

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.300 F.A.C.	<b>Stationary Sources - Permits Required</b>
62-296.711 F.A.C.	<b>Stationary Sources - Emission Standards for Material Handling</b>
62-213 F.A.C.	<b>Operating Permits for Major Sources</b>
<b>All Other Regulations in the Title V Core List</b>	

Emission Unit 007 - 6

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:  <b>Drawing 01787-016-096 G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: feet <b>Not Applicable Section III C.6</b>	
7. Exit Diameter: feet <b>Not Applicable Section III C.6</b>	
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate: acfm <b>Not Applicable Section III C.6</b>	

Emission Unit 007 - 7

**Emissions Unit Information Section 7 of 17**

10. Percent Water Vapor : <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emission Unit 007 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General Process (emision related to tons processed).</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>6 TPH transferred</b>	5. Maximum Annual Rate: <b>52,560 TPY transferred</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>	
2. Total Percent Efficiency of Control:	<b>99 %</b>
3. Primary Control Device Code: <b>018</b>	
4. Secondary Control Device Code:	
5. Potential Emissions: <b>N/A lb/hour N/A tons/year</b> <b>Not Applicable Fugitive Dust Section III E.5</b>	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year	
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions:  $0.02 \text{ gr / scf} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

**Emissions Unit Information Section 7 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emission Unit 007 - 11



**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour		
4. Method of Compliance:  <b>Visual Observation</b>		
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>		

Emission Unit 007 - 12

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emission Unit 007 - 14

**Emissions Unit Information Section 7 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

Emission Unit 007 - 15

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Joy Mfg Dwg 4-1502 (Rev A) Appendix C-6</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix D-3</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____   <input type="checkbox"/> Previously submitted, Date: _____   <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>

Emission Unit 007 - 16

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 008 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:  <b>Fly Ash Storage Silo #2</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
u3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:   		

Emissions Unit 008 - 2



Emissions Unit Control Equipment

A.

1. Description:

**Dust Collector**

2. Control Device or Method Code: **018**

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emissions Unit 008 - 3

**Emissions Unit Information Section 8 of 17**

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate: <b>Not Applicable - Type P Discharge Section III E.5</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emissions Unit 008 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emissions Unit 008 - 5



**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:  <b>Drawing 07187-016-096, G-1 &amp; G-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: feet <b>Not Applicable Section III C.6</b>	
7. Exit Diameter: feet <b>Not Applicable Section III C.6</b>	
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate: acfm <b>Not Applicable Section III C.6</b>	

Emissions Unit 008 - 7

Emissions Unit Information Section 8 of 17

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: 17                      East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emissions Unit 008 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General Process (emissions related to tons processed)</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>6 TPH transferred</b>	5. Maximum Annual Rate: <b>52,560 TPY transferred</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	

## E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>	
2. Total Percent Efficiency of Control:	<b>99 %</b>
3. Primary Control Device Code: <b>018</b>	
4. Secondary Control Device Code:	
5. Potential Emissions: lb/hour    tons/year <b>Not Applicable - Fugitive dust</b> <b>Section III E.5</b>	
6. Synthetically Limited? [ ] Yes            [ <b>X</b> ] No	
7. Range of Estimated Fugitive/Other Emissions: [ ] 1            [ ] 2            [ ] 3            _____ to _____ tons/year	
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>	
9. Emissions Method Code: [ ] 1            [ ] 2            [ ] 3            [ ] 4            [ <b>X</b> ] 5	
10. Calculation of Emissions:  $0.02 \text{ gr / scf} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit 008 - 10



**Emissions Unit Information Section 8 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour		
4. Method of Compliance:  <b>Visual Observation</b>		
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>		

Emissions Unit 008 - 12

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit 008 - 14

**Emissions Unit Information Section 8 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM		lb/hour	tons/year
SO2		lb/hour	tons/year
NO2			tons/year
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-6</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix D-3</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
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 <input checked="" type="checkbox"/> Not Applicable Document ID: _____
7. Operation and Maintenance Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 009 - 1



Emissions Unit Information Section 9 of 17

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:  <b>Lime Storage Silo #1</b>		
2. ARMS Identification Number: [ <input checked="" type="checkbox"/> ] No Corresponding ID [ <input type="checkbox"/> ] Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature :°F		
11. Emissions Unit Comment:     		

Emissions Unit 009 - 2

Emissions Unit Control Equipment

A.

1. Description: <b>Dust Collector</b>
2. Control Device or Method Code: <b>018</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit 009 - 3

**Emissions Unit Information Section 9 of 17**

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate:  <b>Type P Discharge - Section III C.5</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emissions Unit 009 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emissions Unit 009 - 5





Emissions Unit Information Section 9 of 17

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:  <b>Lime directed back into silo</b>	

Emissions Unit 009 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General Process (emissions related to tons processed)</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Used</b>	
4. Maximum Hourly Rate: <b>NOT APPLICABLE</b>	5. Maximum Annual Rate: <b>NOT APPLICABLE</b>
6. Estimated Annual Activity Factor: <b>4050 TONS OF LIME</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:  <b>Collected fugitive lime directed back into silo</b>	



**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>		
2. Total Percent Efficiency of Control:	<b>99 %</b>	
3. Primary Control Device Code: <b>018</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>0.205 lb/hour</b>	<b>0.9 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{1195 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times 60 \text{ min hr} = \frac{0.205 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 009 - 10

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 009 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour		
4. Method of Compliance:  <b>Visual Observation</b>		
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>		

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

**H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION**

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

**Emissions Unit Information Section 9 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

Emissions Unit 009 - 15

**Emissions Unit Information Section 9 of 17**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-7</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix D-4</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
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 <input checked="" type="checkbox"/> Not Applicable Document ID: _____
7. Operation and Maintenance Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

Emissions Unit 009 - 16

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable



### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emission Unit 010 - 1



Emissions Unit Control Equipment

A.

1. Description: **Dust Collector**

2. Control Device or Method Code: **018**

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emission Unit 010 - 3

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate:  <b>Not Applicable</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:  <b>Type P Discharge Section III C.5</b>	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emission Unit 010 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**

Emission Unit 010 - 5





**Emissions Unit Information Section 10 of 17**

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:  <b>Lime directed back into silo</b>	

Emission Unit 010 - 8



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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General Process (emissions related to tons processed)</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Used</b>	
4. Maximum Hourly Rate: <b>NOT APPLICABLE</b>	5. Maximum Annual Rate: <b>NOT APPLICABLE</b>
6. Estimated Annual Activity Factor: <b>4050 tons of lime</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:  <b>Fugitive lime directed back into silo</b>	

Emission Unit 010 - 9

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>		
2. Total Percent Efficiency of Control:	<b>99 %</b>	
3. Primary Control Device Code: <b>018</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>0.205 lb/hour</b>	<b>0.9 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{1195 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{0.205 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emission Unit 010 - 10

**Emissions Unit Information Section 10 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emission Unit 010 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour	
4. Method of Compliance:  <b>Visual Observation</b>	
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>	

Emission Unit 010 - 12

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

Emission Unit 010 - 13

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emission Unit 010 - 14

**Emissions Unit Information Section 10 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

Emission Unit 010 - 15

**Emissions Unit Information Section 10 of 17**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-7</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix D-4</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
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 <input checked="" type="checkbox"/> Not Applicable Document ID: _____
7. Operation and Maintenance Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

Emission Unit 010 - 16



**Emissions Unit Information Section 10 of 17**

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

Emission Unit 010 - 17

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 011 - 1



Emissions Unit Control Equipment

A.

1. Description: <b>Dust Collector</b>
2. Control Device or Method Code: <b>018</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

**Emissions Unit Information Section 11 of 17**

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate: <b>Not Applicable Type P Discharge Section III C.5</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

Emissions Unit 011 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

NOT APPLICABLE

**Emissions Unit Information Section 11 of 17**

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.300 F.A.C.	<b>Stationary Sources - Permits Required</b>
62-296.711 F.A.C	<b>Stationary Sources - Emission Standards - Material Handling</b>
62-213 F.A.C.	<b>Operating Permits for Major Sources</b>
<b>All Other regulations in the Title V Core List</b>	

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Dwg. 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:    feet <b>Not Applicable, Section III C.6</b>	
7. Exit Diameter:    feet <b>Not Applicable, Section III C.6</b>	
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:    acfm <b>Not Applicable, Section III C.6</b>	

Emissions Unit 011 - 7



**Emissions Unit Information Section 11 of 17**

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate: Segment 1 of 1**

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): <b>General Process (emissions related to tons processed).</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>Not Applicable</b>	5. Maximum Annual Rate: <b>Not Applicable</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:  <b>No atmospheric discharge; closed baghouse system.</b>	

Emissions Unit 011 - 9

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>	
2. Total Percent Efficiency of Control:	<b>99 %</b>
3. Primary Control Device Code: <b>018</b>	
4. Secondary Control Device Code:	
5. Potential Emissions:	lb/hour                      tons/year
<b>Not Applicable - Fugitive dust Section III E.5</b>	
6. Synthetically Limited? [ ] Yes                      [ <b>X</b> ] No	
7. Range of Estimated Fugitive/Other Emissions: [ ] 1                      [ ] 2                      [ ] 3                      _____ to _____ tons/year	
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>	
9. Emissions Method Code: [ ] 1                      [ ] 2                      [ ] 3                      [ ] 4                      [ <b>X</b> ] 5	
10. Calculation of Emissions:  $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit 011 - 10

**Emissions Unit Information Section 11 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 011 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour
4. Method of Compliance:	<b>Visual Observation</b>
5. Visible Emissions Comment:	<b>Basis for VE = Section 62-296.711 F.A.C.</b>

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit 011 - 14

**Emissions Unit Information Section 11 of 17**

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			



**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-8</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix D-5</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
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 <input checked="" type="checkbox"/> Not Applicable Document ID: _____
7. Operation and Maintenance Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

Emissions Unit 011 - 16

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 012 - 1

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section:  <b>Ash Load Out Building</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:		

Emissions Unit 012 - 2

Emissions Unit Control Equipment

A.

1. Description: <b>Dust Collector</b>
2. Control Device or Method Code: <b>018</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit 012 - 3

**Emissions Unit Information Section 12 of 17**

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate: <b>Not Applicable - Type P Discharge - Section III C.5</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emissions Unit 012 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

NOT APPLICABLE





**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Dwg: 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W
6. Stack Height: feet <b>Not Applicable Section III C.6</b>
7. Exit Diameter: feet <b>Not Applicable Section III C.6</b>
8. Exit Temperature: <b>Ambient °F</b>
9. Actual Volumetric Flow Rate: acfm <b>Not Applicable Section III C.6</b>

Emissions Unit 012 - 7

**Emissions Unit Information Section 12 of 17**

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: 17                      East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emissions Unit 012 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate: Segment 1 of 1**

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General Process (emissions related to tons processed)</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate: <b>32 TPH Transferred</b>	5. Maximum Annual Rate: <b>280,320 TPY Transferred</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>	
2. Total Percent Efficiency of Control:	<b>99 %</b>
3. Primary Control Device Code: <b>018</b>	
4. Secondary Control Device Code:	
5. Potential Emissions:	lb/hour                      tons/year
<b>Not Applicable - Fugitive dust Section III E.5</b>	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3            _____ to _____ tons/year	
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data.</b>	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions:  $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit Information Section 12 of 17

Allowable Emissions (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>
2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule [                      ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour
4. Method of Compliance:  <b>Visual Observation</b>
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>

Emissions Unit 012 - 12

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor *N/A* of *N/A*

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit 012 - 14



**Emissions Unit Information Section 12 of 17**

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached, <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: <b>Appendix C-9</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: _____</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: <b>Appendix D-3</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested                  Document ID: _____</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____   <input type="checkbox"/> Previously submitted, Date: _____   <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable                  Document ID: _____</p>

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.



Emissions Unit Control Equipment

A.

1. Description:  <b>Dust Collector</b>
2. Control Device or Method Code: <b>018</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit 013 - 3

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. <u>Maximum Process or Throughput Rate:</u>  <b>195 TPH of RDF</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	<b>24 hours/day</b>	<b>7 days/week</b>
	<b>52 weeks/year</b>	<b>8760 hours/year</b>

Emissions Unit 013 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**





**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram <b>Dwg: 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: <b>80</b> feet	
7. Exit Diameter: <b>19.25"</b> feet	
8. Exit Temperature: <b>Ambient °F</b>	
9. Actual Volumetric Flow Rate: <b>28,000</b> acfm	

Emissions Unit 013 - 7

**Emissions Unit Information Section 13 of 17**

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: 17                      East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emissions Unit 013 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General Process (emissions related to tons processed).</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Handled</b>	
4. Maximum Hourly Rate: <b>NOT APPLICABLE</b>	5. Maximum Annual Rate: <b>NOT APPLICABLE</b>
6. Estimated Annual Activity Factor: <b>518,000 Tons handled</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>		
2. Total Percent Efficiency of Control:	<b>99 %</b>	
3. Primary Control Device Code: <b>018</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>19.83 lb/hour</b>	<b>86.87 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{115,693.8 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = 19.83 \text{ lb / hour}$		
11. Pollutant Potential/Estimated Emissions Comment:		

**Allowable Emissions** (Pollutant identified on front of page)  
Emissions Unit 013 - 10

Emissions Unit Information Section 13 of 17

Allowable Emissions (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 013 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE</b>	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: <b>10 %</b> Exceptional Conditions: <b>NOT APPLICABLE %</b> Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour	
4. Method of Compliance:  <b>Visual Observation</b>	
5. Visible Emissions Comment:  <b>Basis for VE = Section 62-296.711 F.A.C.</b>	

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Monitor Information:		
Manufacturer:		
Model Number:	Serial Number:	
4. Installation Date (DD-MON-YYYY):		
5. Performance Specification Test Date (DD-MON-YYYY):		
6. Continuous Monitor Comment:		



**H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION**

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

**Emissions Unit Information Section 13 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix C-9</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable [ ] Waiver Requested                  Document ID:</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Construction Agreement, Schedule A, Section 2.1.16, Appendix D-7</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable [ ] Waiver Requested                  Document ID:</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____   <input type="checkbox"/> Previously submitted, Date: _____   <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID:</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID:</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID:</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID:</p>

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 014 - 1

Emissions Unit Information Section 14 of 17

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:  <b>Materials Recycling Facility</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:          		

Emissions Unit 014 - 2

Emissions Unit Control Equipment

A.

1. Description:

**Dust Collector**

2. Control Device or Method Code: **018**

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emissions Unit 014 - 3

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate:  <b>Comingled Recyclable Line = 6 tons/hr</b> <b>Mixed Paper Line = 23 tons/hr</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year



**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**



**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Dwg: 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: <b>NOT APPLICABLE</b>	feet
7. Exit Diameter: <b>NOT APPLICABLE</b>	feet
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:	<b>8,000 acfm</b>

Emissions Unit 014 - 7

**Emissions Unit Information Section 14 of 17**

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: 17                      East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emissions Unit 014 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>General process (emissions related to tons processed).</b>	
2. Source Classification Code (SCC): <b>50400201</b>	
3. SCC Units: <b>Tons Processed</b>	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	

Emissions Unit Information Section 14 of 17

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>PM/PM<sub>10</sub></b>		
2. Total Percent Efficiency of Control:	<b>99 %</b>	
3. Primary Control Device Code: <b>018</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>1.37 lb/hour</b>	<b>6.0 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.02 gr/scf</b> Reference: <b>Engineering estimates and vendor data.</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions:  $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{8000 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.37 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 014 - 10

Emissions Unit Information Section 14 of 17

Allowable Emissions (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 014 - 11





**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Monitor Information: Manufacturer:	Serial Number:	
Model Number:		
4. Installation Date (DD-MON-YYYY):		
5. Performance Specification Test Date (DD-MON-YYYY):		
6. Continuous Monitor Comment:		

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit 014 - 14

**Emissions Unit Information Section 14 of 17**

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix C-10</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix D-8</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____   <input type="checkbox"/> Previously submitted, Date: _____   <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID: _____</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID: _____</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached [ <b>X</b> ] Not Applicable                  Document ID: _____</p>

Emissions Unit 014 - 16

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 015 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:  <b>Auto Spray Booth</b>		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Initial Startup Date (DD-MON-YYYY): <b>November 15, 1989</b>		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): <b>Not Applicable</b>		
8. Package Unit: <b>NOT APPLICABLE</b> Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: <b>NOT APPLICABLE</b> MW		
10. Incinerator Information: <b>NOT APPLICABLE</b> Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:		

Emissions Unit 015 - 2

Emissions Unit Control Equipment

A.

1. Description: <b>NOT APPLICABLE</b>
2. Control Device or Method Code:

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit 015 - 3



Emissions Unit Information Section 15 of 17

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate:  <b>271 gallons per year of paints</b> <b>9 gallons per year of reducer</b> <b>50 gallons per year of thinners.</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	* hours/day	7 days/week
	52 weeks/year	520 hours/year

\* Operating Time is 10 hrs/wk

Emissions Unit 015 - 4

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**



**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Dwg: 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>NOT APPLICABLE</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	<b>25 feet</b>
7. Exit Diameter:	<b>4 feet</b>
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:	<b>27,000 acfm</b>

Emissions Unit 015 - 7

Emissions Unit Information Section 15 of 17

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment:	

Emissions Unit 015 - 8

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>Coating Operation (tons of solvent in coating).</b>	
2. Source Classification Code (SCC): <b>40201699</b>	
3. SCC Units: <b>Tons of Solvent</b>	
4. Maximum Hourly Rate: <b>1.48 x 10<sup>-3</sup></b>	5. Maximum Annual Rate: <b>0.77</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>VOC</b>		
2. Total Percent Efficiency of Control:	<b>NOT APPLICABLE</b>	%
3. Primary Control Device Code: <b>NOT APPLICABLE</b>		
4. Secondary Control Device Code: <b>NOT APPLICABLE</b>		
5. Potential Emissions:	<b>2.96 lb/hour</b>	<b>0.80 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>4.17 lb/gallon</b> Reference: <b>Vendor data on paints</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: <b>See Appendix F-2.</b>		
11. Pollutant Potential/Estimated Emissions Comment:		

**Emissions Unit Information Section 15 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		



**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation N/A of N/A

1. Visible Emissions Subtype: <b>Not Applicable</b>			
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:			

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

**H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION**

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

**PSD Increment Consumption Determination**

**NOT APPLICABLE**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

**Emissions Unit Information Section 15 of 17**

2. Increment Consuming for Nitrogen Dioxide? **NOT APPLICABLE**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

<p>1. Process Flow Diagram  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix C-11</b></p>
<p>2. Fuel Analysis or Specification  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>3. Detailed Description of Control Equipment  <input checked="" type="checkbox"/> Attached [ ] Not Applicable [ ] Waiver Requested                  Document ID: <b>Appendix D-9</b></p>
<p>4. Description of Stack Sampling Facilities  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable [ ] Waiver Requested                  Document ID: _____</p>
<p>5. Compliance Test Report  <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Previously submitted, Date: _____  <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>7. Operation and Maintenance Plan  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>8. Supplemental Information for Construction Permit Application  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute  <input type="checkbox"/> Attached [ <input checked="" type="checkbox"/> ] Not Applicable                  Document ID: _____</p>

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.





Emissions Unit Control Equipment

A.

1. Description: <b>Biofilter Beds</b>
2. Control Device or Method Code: <b>099</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate: <b>110,000 tons/yr*</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:  * <b>Amount of yard waste and sewage sludge composted.</b>	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE.**

**List of Applicable Regulations** (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.300 F.A.C.	<b>Stationary Sources - Permits Required</b>
62-213 F.A.C.	<b>Operating Permits for Major Sources</b>
<b>All Other Regulations in the Title V Core List</b>	

**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Dwg: 07187-016-096, G-1 &amp; G-2 Appendix A-2</b>	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: <b>Biofilter Beds</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>NOT APPLICABLE</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input checked="" type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: <b>NOT APPLICABLE</b>	feet
7. Exit Diameter: <b>NOT APPLICABLE</b>	feet
8. Exit Temperature:	<b>Ambient °F</b>
9. Actual Volumetric Flow Rate:	<b>147,000 acfm</b>

Emissions Unit 016 - 7

Emissions Unit Information Section 16 of 17

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height:	<b>Ground Level</b> feet
13. Emission Point UTM Coordinates: Zone:17      East (km): <b>585.82</b>	North (km): <b>2960.474</b>
14. Emission Point Comment:  <b>Composting Bed Area = 12,000 sq.ft.</b>	

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>NOT AVAILABLE</b>	
2. Source Classification Code (SCC): <b>NOT AVAILABLE</b>	
3. SCC Units: <b>NOT AVAILABLE</b>	
4. Maximum Hourly Rate: <b>NOT APPLICABLE</b>	5. Maximum Annual Rate: <b>NOT APPLICABLE</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 1**

1. Pollutant Emitted: <b>VOC</b>		
2. Total Percent Efficiency of Control:	<b>90 %</b>	
3. Primary Control Device Code: <b>099</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>7.53 lb/hour</b>	<b>33.0 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>See Appendix F-3</b> Reference:		
9. Emissions Method Code: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: <b>See Appendix F-3</b>		
11. Pollutant Potential/Estimated Emissions Comment:		



**Emissions Unit Information Section 16 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 016 - 11

**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation N/A of N/A

1. Visible Emissions Subtype: <b>Not Applicable</b>			
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:			

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>	
2. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

## H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

### PSD Increment Consumption Determination

NOT APPLICABLE

#### 1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

**Emissions Unit Information Section 16 of 17**

**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM		lb/hour	tons/year
SO2		lb/hour	tons/year
NO2			tons/year
5. PSD Comment:			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-12</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix D-10</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
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 <input checked="" type="checkbox"/> Not Applicable Document ID: _____
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable Document ID: <b>Appendix E-4</b>
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

##### Type of Emissions Unit Addressed in This Section

Check one:

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.





Emissions Unit Control Equipment

A.

1. Description: <b>gas extraction wells with flares</b>
2. Control Device or Method Code: <b>023</b>

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

**Emissions Unit Information Section 17 of 17**

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: <b>NOT APPLICABLE</b>	mmBtu/hr
2. Maximum Incineration Rate: <b>NOT APPLICABLE</b>	lb/hr    tons/day
3. Maximum Process or Throughput Rate: <b>358,000 tpy (average refuse acceptance rate)</b>	
4. Maximum Production Rate: <b>NOT APPLICABLE</b>	
5. Operating Capacity Comment:	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:		
<b>24</b> hours/day		<b>7</b> days/week
<b>52</b> weeks/year		<b>8760</b> hours/year

**B. EMISSIONS UNIT REGULATIONS**

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**NOT APPLICABLE**



**C. EMISSION POINT (STACK/VENT) INFORMATION**

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: Dwg: 07187-016-096, G-1 & G-2 Appendix A-2	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: gas extraction wells with flares.	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input checked="" type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	65 feet
7. Exit Diameter:	0.5 feet
8. Exit Temperature: Gas Flare Temperature =	min 1400 °F
9. Actual Volumetric Flow Rate: NOT APPLICABLE	acfm

Emissions Unit Information Section 17 of 17

10. Percent Water Vapor: <b>NOT APPLICABLE</b>	%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b>	dscfm
12. Nonstack Emission Point Height: <b>NOT APPLICABLE</b>	feet
13. Emission Point UTM Coordinates: Zone: <b>17</b> East (km): <b>585.82</b> North (km): <b>2960.474</b>	
14. Emission Point Comment: <b>Gas extraction wells with flares.</b>	

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

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  <b>Waste gas flares (MM cu.ft. burned)</b>	
2. Source Classification Code (SCC): <b>50100410</b>	
3. SCC Units: <b>MM cu.ft. burned</b>	
4. Maximum Hourly Rate: <b>0.03498</b>	5. Maximum Annual Rate: <b>306.49</b>
6. Estimated Annual Activity Factor: <b>NOT APPLICABLE</b>	
7. Maximum Percent Sulfur: <b>NOT APPLICABLE</b>	8. Maximum Percent Ash: <b>NOT APPLICABLE</b>
9. Million Btu per SCC Unit: <b>NOT APPLICABLE</b>	
10. Segment Comment:	



Emissions Unit Information Section 17 of 17

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 1 of 4**

1. Pollutant Emitted: <b>VOC as nonmethane organic carbon (NMOC)</b>		
2. Total Percent Efficiency of Control:	<b>98 %</b>	
3. Primary Control Device Code: <b>023</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>0.393 lb/hour</b>	<b>1.72 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>See Appendix F-4</b> Reference:		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: <b>See Appendix F-4</b>		
11. Pollutant Potential/Estimated Emissions Comment:		

**Emissions Unit Information Section 17 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

**B.**

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions:                      lb/hr                      tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emissions Unit 017 - 11

Emissions Unit Information Section 17 of 17

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 2 of 4**

1. Pollutant Emitted: <b>CO<sub>2</sub></b>		
2. Total Percent Efficiency of Control: <b>NOT APPLICABLE</b>	%	
3. Primary Control Device Code: <b>023</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	4927.4 lb/hour	21,582 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>8.45 lb/hr/dscfm uncontrolled methane</b> Reference: <b>AP-42</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions:  $8.45 \text{ lb / hr / dscfm} \times 583.12 \text{ dscfm} = \frac{4927.4 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 017 - 12

**Emissions Unit Information Section 17 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit 017 - 13

**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 3 of 4**

1. Pollutant Emitted: <b>NO<sub>2</sub></b>		
2. Total Percent Efficiency of Control: <b>NOT APPLICABLE</b>	%	
3. Primary Control Device Code: <b>023</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>4.08 lb/hour</b>	<b>17.87 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>0.007 lb/hr/dscfm uncontrolled methane</b> Reference: <b>AP-42</b>		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions:  $0.007 \text{ lb / hr / dscfm} \times \frac{583.12 \text{ dscfm}}{\text{min}} = \frac{4.08 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

**Emissions Unit Information Section 17 of 17**

**Allowable Emissions** (Pollutant identified on front of page)

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

Emissions Unit Information Section 17 of 17

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

**Pollutant Potential/Estimated Emissions: Pollutant 4 of 4**

1. Pollutant Emitted: <b>SO<sub>2</sub></b>		
2. Total Percent Efficiency of Control: <b>NOT APPLICABLE</b>		%
3. Primary Control Device Code: <b>023</b>		
4. Secondary Control Device Code:		
5. Potential Emissions:	<b>1.24 lb/hour</b>	<b>5.12 tons/year</b>
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
8. Emission Factor: <b>See Appendix F-4</b> Reference:		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: <b>See Appendix F-4</b>		
11. Pollutant Potential/Estimated Emissions Comment:		

**Allowable Emissions** (Pollutant identified on front of page)

Emissions Unit 017 - 16

**Emissions Unit Information Section 17 of 17**

**A. NOT APPLICABLE**

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:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		



**F. VISIBLE EMISSIONS INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

**Visible Emissions Limitation:** Visible Emissions Limitation N/A of N/A

1. Visible Emissions Subtype: <b>Not Applicable</b>	
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:	

**G. CONTINUOUS MONITOR INFORMATION**

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

**Continuous Monitoring System:** Continuous Monitor N/A of N/A

1. Parameter Code: <b>Not Applicable</b>
2. CMS Requirement: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number: Serial Number:
4. Installation Date (DD-MON-YYYY):
5. Performance Specification Test Date (DD-MON-YYYY):
6. Continuous Monitor Comment:

**H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION**

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

**PSD Increment Consumption Determination**

**NOT APPLICABLE**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

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**2. Increment Consuming for Nitrogen Dioxide?**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

<b>3. Increment Consuming/Expanding Code:</b>			
PM	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
<b>4. Baseline Emissions:</b>			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
<b>5. PSD Comment:</b>			

**I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix C-13</b>
2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: <b>Appendix D-11</b>
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____
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 <input checked="" type="checkbox"/> Not Applicable Document ID: _____
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable Document ID: <b>Appendix E-5</b>
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____

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**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation  
 Attached  Not Applicable  
Document ID: \_\_\_\_\_

11. Alternative Modes of Operation (Emissions Trading)  
 Attached  Not Applicable  
Document ID: \_\_\_\_\_

12. Enhanced Monitoring Plan  
 Attached  Not Applicable  
Document ID: \_\_\_\_\_

13. Identification of Additional Applicable Requirements  
 Attached  Not Applicable  
Document ID: \_\_\_\_\_

14. Acid Rain 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: \_\_\_\_\_

Not Applicable