# Solid Waste Authority of Palm Beach County



Title V Permit Application





# RECEIVED

JUN 13 1996

BUREAU OF AIR REGULATION

June 12, 1996

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,

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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# 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:	0990'234-001-AV
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Effective: 11-23-94

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

Dw1	ner/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:
No	Organization/Firm: The Solid Waste Authority of Palm Beach County orth 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:
٥.	Telephone: (407) 640-4000 - Fax: ( ) -
4.	Owner/Authorized Representative or Responsible Official Statement:
Ch app that best read air so the and ope app according to the per by	I, the undersigned, am the owner or authorized representative* of the facility (non-Title V arce) addressed in this Application for Air Permit or the responsible official, as defined in apter 62-213, F.A.C., of the Title V source addressed in this application, whichever is plicable. I hereby certify, based on information and belief formed after reasonable inquiry, at the statements made in this application are true, accurate and complete and that, to the set of my knowledge, any estimates of emissions reported in this application are based upon asonable techniques for calculating emissions. Further, I agree to operate and maintain the pollutant emissions units and air pollution control equipment described in this application as to comply with all applicable standards for control of air pollutant emissions found in estatutes of the State of Florida and rules of the Department of Environmental Protection derevisions thereof. If the purpose of this application is to obtain an air operation permit or eration permit revision for one or more emissions units which have undergone construction 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 cordance with the information given in the corresponding application for air construction remit and with all provisions contained in such permit. I understand that a permit, if granted the Department, cannot be transferred without authorization from the Department, and I ll promptly notify the Department upon sale or legal transfer of any permitted emissions it.
	Signature  Date  10/10/96

\* 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.

Emissions Unit ID	Description of Emissions Unit
001	Boiler #1
002	Boiler #2
003 <sup>.</sup>	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: [X] 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:

4

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.

heck one:	
] Attached - Amount: \$	[X] Not Applicable.
onstruction/Modification Information	
1. Description of Proposed Project or Alterations:	
NOT APPLICABLE	
2. Projected or Actual Date of Commencement 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.

lature

5/8/96 Date

to certification statement.

1 No. 62

May 6, 1996

### 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

1.	Facility Owner or Operator: The Solid Waste Authority of P	alm	Beach County
2.	Facility Name: North County Resource Recovery Facility		
3.	Facility Identification Number: 0990234	ſ	Unknown

4.	Facility Location Information:		
	Facility Street Address: 6501 North Jog Road		

City: West Palm Beach

Facility Name, Location, and Type

County: Palm Beach

Zip Code:33412

5.	Facility	UTM	Coordinates:
----	----------	-----	--------------

Zone: 17

East (km): 585.82

8. Facility Status

Α

North (km): 2960.474

6. Facility Latitude/Longitude:

Latitude (DD/MM/SS): 26/45/53

Longitude (DD/MM/SS): 80/08/12

7.	Governmental
	Facility Code:
	3

Code:

9. Relocatable Facility? [] Yes [X] No 10. Facility Major Group SIC Code:

49

11. Facility Comment:

#### Facility Contact

- 1. Name and Title of Facility Contact: Dr. Marc Bruner, Director for Planning and **Environmental Programs**
- 2. Facility 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. Facility Contact Telephone Numbers:

Telephone: (407) 640-4000

Fax: (407) 683-4067

# **Facility Regulatory Classifications**

1.	Small Business Stationary So	urce?	
	[ ] Yes	[X] No	[ ] Unknown
2.	Title V Source?		
	[ <b>X</b> ] Yes	[ ] No	
3.	Synthetic Non-Title V Source	??	
	[ ] Yes	[X] No	
4.	Major Source of Pollutants O	ther than Hazardous Air Pollu	itants (HAPs)?
	[X] Yes	[ ] No	
		• •	
5.	Synthetic Minor Source of Po	ollutants Other than HAPs?	
	[ ] Yes	[X] No	
6	Major Source of Hazardous A	vir Pollutants (HAPs)?	
0.	[ ] Yes	[X] No	[ ] Possible
	( )	[]	[ ]
7	Synthetic Minor Source of Ha	 Δ Pc?	
١.	[ ] Yes	[X] No	
	[ ] 103	[24] 110	
Q	One or More Emissions Units	Subject to NSPS?	
ο.	[ ] Yes	[X] No	
	[ ] 103		
	One on Mana Emission Units	Cubinet to NICCLIA DO	
9.	One or More Emission Units	[X] No	•
	[ ] Yes	[A] NO	
10	THE TO SEE THE TOP A DOCUMENT	· 0	
10.	Title V Source by EPA Desig		
	[X] Yes	[ ] No	
11.	Facility Regulatory Classifica	tions Comment:	
	w		

#### **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.)

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

NOT APPLICABLE	

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# <u>List of Applicable Regulations</u> (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	

12

#### 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.

of

Facility Pollutant Information: Pollutant

	Pollutant Emitted: NOT APPLIC	CABLE	
2.	Estimated Emissions:		(tons/year)
3.	Requested Emissions Cap:	(LB/hour)	(tons/year)
4.	Basis for Emissions Cap Code:		
5.	Facility Pollutant Comment:		
	cility Pollutant Information: Pollu		
1.		TATAL TO	
	Pollutant Emitted: NOT APPLIC	CABLE	
2.	Pollutant Emitted: NOT APPLICE  Estimated Emissions:		(tons/year)
		(LB/hour)	(tons/year) (tons/year)
3.	Estimated Emissions:		

#### D. FACILITY SUPPLEMENTAL INFORMATION

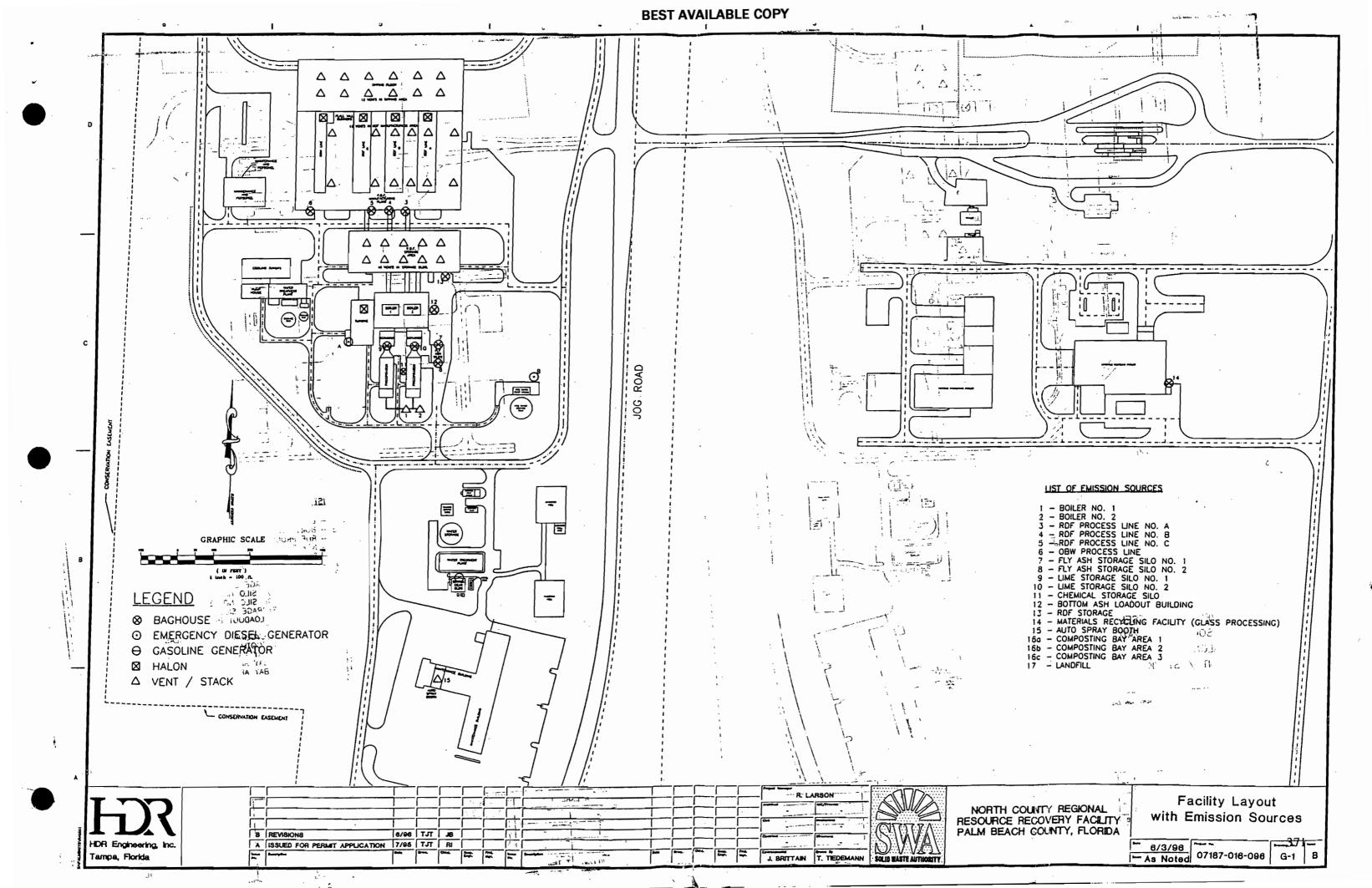
This subsection of the Application for Air Permit form provides supplemental information related to the facility as a whole. (Supplemental information related to individual emissions units within the facility is provided in Subsection III-I of the form.) Supplemental information must be submitted as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

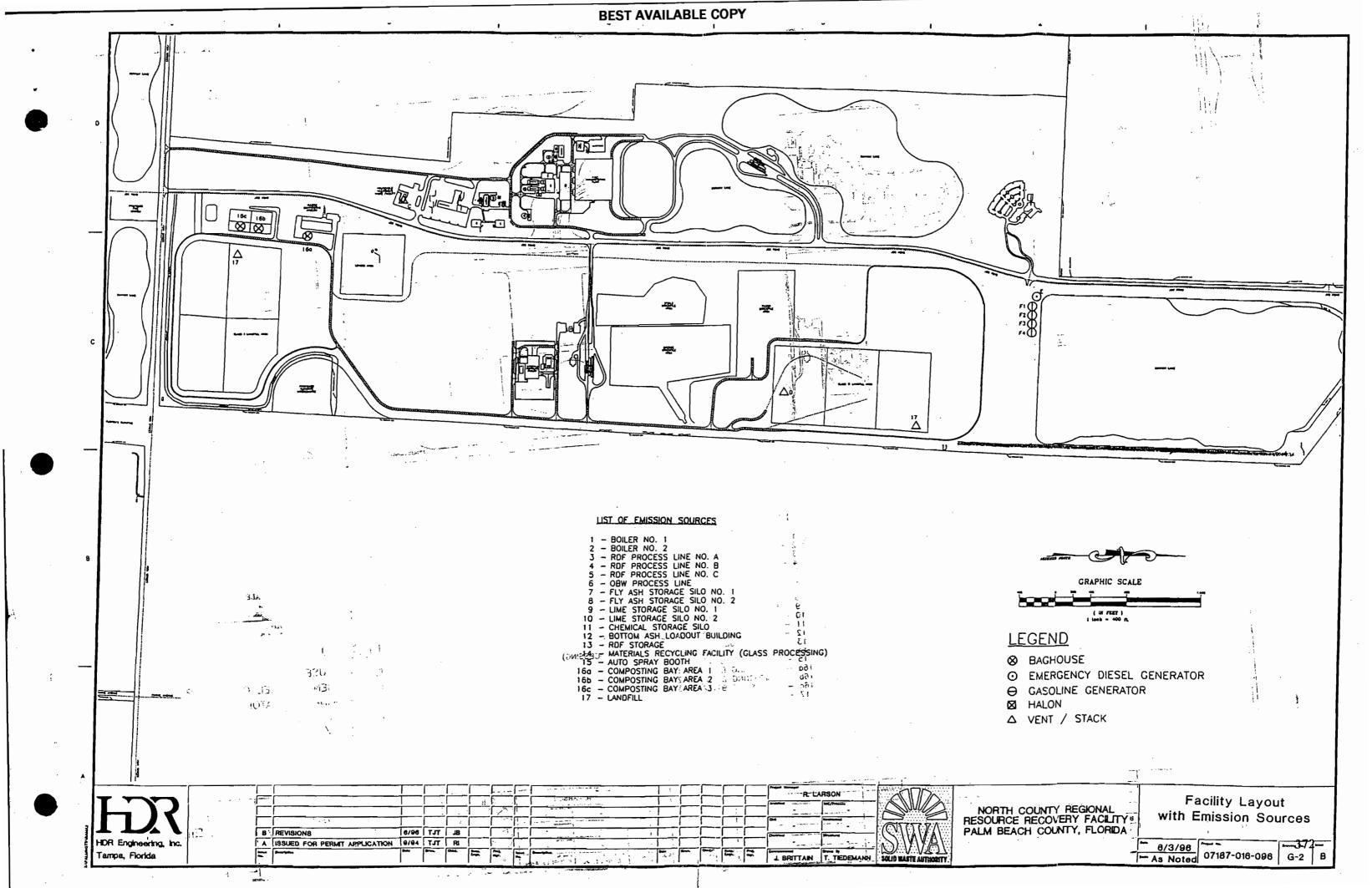
#### **Supplemental Requirements for All Applications**

1. Area Map Showing Facility Location:
[X] Attached [] Not Applicable [] Waiver Requested
Document ID: Appendix A-1
2. Facility Plot Plan:
[X] Attached [] Not Applicable [] Waiver Requested
Document ID: Appendix A-2
3. Process Flow Diagram(s):
[X] Attached [] Not Applicable [] Waiver Requested
Document ID: Appendix C-1 and C-2
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
[X] Attached [] Not Applicable [] Waiver Requested
Document ID: Appendix B-1
5. Fugitive Emissions Identification:
[X] Attached [] Not Applicable [] Waiver Requested
Document ID: Appendix B-2
6. Supplemental Information for Construction Permit Application:
[ ] Attached [X] Not Applicable
Document ID:
Additional Supplemental Requirements for Category I Applications Only
7. List of Insignificant Activities:
[X] Attached [] Not Applicable
Document ID: Appendix B-3
8. List of Equipment/Activities Regulated under Title VI:
bist of Equipment/received Regulated and of Title VI.
[X] Attached, Document ID: Appendix B-4
[ ] Equipment/Activities Onsite but Not Required to be Individually Listed
[ ] Not Applicable
9. Alternative Methods of Operation:
[ ] Attached [ X ] Not Applicable
Document ID:

14

10. Alternative Modes of Operation (Emissions Trading):
[ ] Attached, [ X ] Not Applicable
Document ID: Not Applicable
11. Enhanced Monitoring Plan:
[ ] Attached, [ X ] Not Applicable
Document ID: Not Applicable
12. Risk Management Plan Verification:
[ ] Plan Submitted to Implementing Agency - Verification Attached, Document ID:
[X] Plan to be Submitted to Implementing Agency by Required Date
[ ] Not Applicable
13. Compliance Report and Plan
[X] Attached [] Not Applicable
Document ID: Appendix B-5
14. Compliance Statement (Hard-copy Required)
[X] Attached [] Not Applicable
Document ID: Appendix B-5





#### 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:

[X] 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 Description and Status**

1.	Description of Emissions Unit Addressed in This Section:			
	Boiler #1			
2.	ARMS Identification Num	ber: [X] No Corres	ponding ID	[ ] Unknown
3.	Emissions Unit Status Code:	4. Acid Rain Unit		5. Emissions Unit Major
	A	[ ] Yes [X]	J NO	Group SIC Code: 49
6.	Initial Startup Date (DD-M	ION-YYYY): Novem	nber 15, 198	9
7.	Long-term Reserve Shutdo	wn Date (DD-MMM	(-YYYY): <b>N</b>	ot Applicable
8.	Package Unit: RDF Boiler Manufacturer: Babcock &		Model Num	nber: Sterling Power Boiler
9.	Generator Nameplate Ratir	ng: <b>62.0</b>	MW	
10.	Incinerator Information:	000 t 0E		
	Dwell Temperature: 1800+ °F  Dwell Time: one(1) seconds			
	Incinerator Afterburner Ter	mperature :	°F Not	Applicable
11.	Emissions Unit Comment:	Shares Turbine wit	th Boiler #2	

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## **Emissions Unit Control Equipment**

A.	
1.	Description: Spray Dryer Absorber
2.	Control Device or Method Code: 067
В.	
1.	Description: Electrostatic Precipitator
2.	Control Device or Method Code: 010
<b>C</b>	· ·
1.	Description:
2.	Control Device or Method Code:

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<u>Emi</u>	ssions Unit Operating Capacity		**	
1.	Maximum Heat Input Rate: 412.5			mmBtu/hr
2.	Maximum Incineration Rate: 75,000	lb/hr	900	tons/day RDF
3.	Maximum Process or Throughput Rate:	NOT API	PLICA	ABLE
4.	Maximum Production Rate: NOT APP	LICABLE		
	Operating Capacity Comment: Maximulating value of 5500 BTU/lb RDF.	um inciner	ator c	apacity is based on a reference
				•

## **Emissions Unit Operating Schedule**

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

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#### **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.

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

NOT APPLICABLE	

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<u>List of Applicable Regulations</u> (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	
_	
,	
·	· .

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#### 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:	
	See Drawing 07187-016-096, G-1 (Appendix A-2)	
2.	Emission Point Type Code:	
	[ ] 1	
l	Descriptions of Emissions Points Comprising this Emissions Unit: Ea	
l	dependent Air Pollution Control (APC) train. The flue gas from ea	ch APC train will
exl	haust through a common stack.	
	ID Numbers or Descriptions of Emission Units with this Emission Poi	
	iler #1 and Boiler #2 exhaust to a common stack consisting of three	
an 	d Boiler #2 have a separate flue each. The third flue is for any futu	ire boiler additions.
5.	Discharge Type Code:	
	[ ] D	
	[ ] R [X] V [ ] W	
6.	Stack Height:	250 feet
0.	Stack Height.	250 1001
7.	Exit Diameter:	8 feet
8.	Exit Temperature:	300 °F
9.	Actual Volumetric Flow Rate:	198,774 acfm

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10	Percent Water Vapor :	20 %		
11	. Maximum Dry Standard	d Flow Rate:	<b>159,019</b> dscfm	
12	Nonstack Emission Poin	nt Height:		NOT APPLICABLE feet
13	Emission Point UTM C	oordinates:		
_	Zone: 17	East (km):	585.82	North (km): 2960.474
14	Emission Point Comme	ent:		
	orst-case emissions will on the organization of the organization o	occur at the	permitted limit	t of 412.5 MMBTU/hr. which is

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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 2

1. Segment Description (Process/Fuel Type and Combustion boiler for electric generation wittons of RDF burned).	· · · · · · · · · · · · · · · · ·
2. Source Classification Code (SCC): 101012	02
3. SCC Units: Tons of RDF Burned	
4. Maximum Hourly Rate: N/A	5. Maximum Annual Rate: N/A
6. Estimated Annual Activity Factor: NOT A	PPLICABLE
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE
9. Million Btu per SCC Unit: 11 MMBTU/to	n of RDF
10. Segment Comment:	

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1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):  Combustion boiler for electric generation with natural gas (emissions related to MM cu. ft. of natural gas burned).		
2. Source Classification Code (SCC): 101006	01	
3. SCC Units: MM cu. ft of natural gas burn	ned	
4. Maximum Hourly Rate: 0.2	5. Maximum Annual Rate: See Note Below	
6. Estimated Annual Activity Factor: NOT A	PPLICABLE	
. Maximum Percent Sulfur: Negligible	8. Maximum Percent Ash: Negligible	
9. Million Btu per SCC Unit: 1,056.7 BTU/cu	ı.ft.	
10. Segment Comment:  Maximum annual rate for auxillary gas burners for the Facility and 40 CFR 60.43B(d). Less the		

#### 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: PM
2. Total Percent Efficiency of Control: 99 %
3. Primary Control Device Code: 010
4. Secondary Control Device Code: <b>067</b>
5. Potential Emissions: 14.875 lb/hour 65.15 tons/year 0.15 grains per DSCF - permit condition
6. Synthetically Limited?  [ ] Yes [ X ] No
7. Range of Estimated Fugitive/Other Emissions:  [ ] 1
8. Emission Factor: 0.015 gr/dscf at 7% O <sub>2</sub> Reference: Permit Number: PSD-FL-108A
9. Emissions Method Code: [ ] 1
10. Calculation of Emissions:
$\frac{0.015gr}{dscf} @ 7\% O_2 \times 115,693.8 dscfm @ 7\% O_2 \times \frac{1pound}{7,000 grains} \times \frac{60 \text{minutes}}{hour} = \frac{14.875pounds}{hour}$
11. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for PM emissions from natural gas burner during warm-up.

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

1. Basis for Allowable Emissions Code: Rule/Other	
2. Future Effective Date of Allowable Emissions: NOT APPLICABLE	
3. Requested Allowable Emissions and Units: 0.015 gr/dscf at 7% O <sub>2</sub>	<del> </del>
Equivalent Allowable Emissions: 14.875 lb/hour 65.15 t	tons/year
5. Method of Compliance: Annual stack test with USEPA Method 5 pu permit number PSD-FL-108A.	rsuant to PSD
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating N Basis for allowable emissions = 40 CFR 60, Subpart Ca and PSD-FL-10	•
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 t	tons/year
5. Method of Compliance:	
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating N	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: NO <sub>x</sub>
2.	Total Percent Efficiency of Control: NOT APPLICABLE %
3.	Primary Control Device Code: NOT APPLICABLE
4.	Secondary Control Device Code: NOT APPLICABLE
5.	Potential Emissions: 198 lb/hour 867.24 tons/year
6.	Synthetically Limited?
	[ ] Yes [X] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1
8.	Emission Factor: 0.48 lb/MMBTU Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	$[]1 \qquad []2 \qquad []3 \qquad []4 \qquad [X]5$
10	Calculation of Emissions:
	$\frac{0.48  lb}{MMBTU} \times \frac{412.5  MMBTU}{hr} = \frac{198  lb}{hr}$
	Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for NO <sub>x</sub> emissions m natural gas burner during warm-up.

# Allowable Emissions (Pollutant identified on front of page) 1. Basis for Allowable Emissions Code: Other 2. Future Effective Date of Allowable Emissions: NOT APPLICABLE 3. Requested Allowable Emissions and Units: 0.48 lb/MMBTU (24-hour block average)\* 4. Equivalent Allowable Emissions: **198** lb/hour 867.24 tons/year 5. Method of Compliance: 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. 6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): Basis for allowable emissions = PSD Permit PSD-FL-108A. \*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrance. 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

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

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5. Method of Compliance:

#### 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: CO
2.	Total Percent Efficiency of Control: NOT APPLICABLE %
3.	Primary Control Device Code: NOT APPLICABLE
4.	Secondary Control Device Code: NOT APPLICABLE
5.	Potential Emissions: 201.75 lb/hour 441.85 tons/year
6.	Synthetically Limited? [ ] Yes [X] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1 [ ] 2 [ ] 3 to tons/year
8.	Emission Factor: 400 ppmdv at 7% O <sub>2</sub> (1-hour average)
	200 ppmdv at 7% $O_2$ (24 hour average)
	Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	[] 1 [] 2 [] 3 [] 4 [X] 5
10	. Calculation of Emissions:
40	$\frac{00 \text{ ppmdv at 7\% } O_2}{1 \text{ x } 10^6} \text{ x } 115,693.8 \text{ dscfm at 7\% } O_2 \text{ x } \frac{28.0 \text{ lbs}}{\text{mole}} \text{ x } \frac{0.002595 \text{ mole}}{\text{dscf}} \text{ x } \frac{60 \text{ min}}{\text{hr}}$
=	$\frac{201.75 \ lb}{hr}$ 200ppmdv at 7% O <sub>2</sub> = 100.88 lb/hour
11	. Pollutant Potential/Estimated Emissions Comment:

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See Appendix F-1 for CO emissions from natural gas burned durning warm-up.

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

•		

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

#### R.

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

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

# <u>Allowable Emissions</u> (Pollutant identified on front of page)

<u>A.</u>			
1.	Basis for Allowable Emissions Code: Oth	ier	
2.	Future Effective Date of Allowable Emissi	ions: NOT APPLICAE	BLE
3.	Requested Allowable Emissions and Units	4 x 10 <sup>-4</sup> lb/MMBTU	
4.	Equivalent Allowable Emissions:	<b>0.165</b> lb/hour	0.723 tons/year
	Method of Compliance: Annual stack tes	st with USEPA Method	12 pursuant to PSD
	Pollutant Allowable Emissions Comment asis for allowable emissions = PSD Permit	` •	ting Method/Mode):
В.			
1.	Basis for Allowable Emissions Code:		
2.	Future Effective Date of Allowable Emissi	ions:	
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 Operation	ting Method/Mode):
			C.

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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: H114 (Mercury)
2.	Total Percent Efficiency of Control: 97% from Acceptance Test
3.	Primary Control Device Code: 010
4.	Secondary Control Device Code: 067 Spray Will
5.	Potential Emissions: 0.149 lb/hour 0.65 tons/year
6.	Synthetically Limited? [ ] Yes [X] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1
8.	Emission Factor: 3.6 x 10 <sup>-4</sup> lb/MMBTU  Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	[]1 []2 []3 []4 [X]5
10	Calculation of Emissions:
	$3.6 \times 10^{-4} lb$ 412.5 MMBTU 0.149 lb
	$\frac{3.6 \times 10^{-4} lb}{MMBTU} \times \frac{412.5 MMBTU}{hr} = \frac{0.149 lb}{hr}$
11.	Pollutant Potential/Estimated Emissions Comment:

# <u>Allowable Emissions</u> (Pollutant identified on front of page)

Α.			
1.	Basis for Allowable Emissions Code: Other		
2.	Future Effective Date of Allowable Emissions:	NOT APPLICABL	E
3.	Requested Allowable Emissions and Units: 3.6	x 10 <sup>-4</sup> lb/MMBTU	
4.	Equivalent Allowable Emissions:	<b>0.149</b> lb/hour	0.65 tons/year
ı	Method of Compliance: Annual stack test wit rmit Number PSD-FL-108A.	h USEPA Method 1	01A pursuant to PSD
I .	Pollutant Allowable Emissions Comment (Descisis for allowable emissions = PSD Permit PSD	•	ng Method/Mode):
В.			
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 Operatin	ng 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 6 of 11

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

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# Allowable Emissions (Pollutant identified on front of page)

Α.	
1.	Basis for Allowable Emissions Code: Other
2.	Future Effective Date of Allowable Emissions: NOT APPLICABLE
3.	Requested Allowable Emissions and Units:  7.3 x 10 <sup>-7</sup> lb/MMBTU
4.	Equivalent Allowable Emissions: 3.01 x 10 <sup>-4</sup> lb/hour 13.18 x 10 <sup>-4</sup> tons/year
	Method of Compliance: Annual stack test with USEPA Method 104 pursuant to PSD rmit Number PSD-FL-108A.
	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): asis for allowable emissions = PSD Permit PSD-FL-108A.
В.	
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: FL (Fluoride)
2.	Total Percent Efficiency of Control: % Not Applicable - Section III E.2
3.	Primary Control Device Code: 010
4.	Secondary Control Device Code: 067
5.	Potential Emissions: 1.32 lb/hour 5.78 tons/year
6.	Synthetically Limited? [ ] Yes [ X ] No
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1
8.	Emission Factor: 0.0032 lb/MMBTU Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	$[] 1 \qquad [] 2 \qquad [] 3 \qquad [] 4 \qquad [X] 5$
10	. Calculation of Emissions:
	$\frac{0.0032  lb}{MMBTU} \times \frac{412.5  MMBTU}{hr} = \frac{1.32  lb}{hr}$
11	Pollutant Potential/Estimated Emissions Comment:

Allowable Emissions (Pollutant identified on front of page)		
<b>A.</b>		
1. Basis for Allowable Emissions Code: Other		
2. Future Effective Date of Allowable Emissions: NOT APPLICABLE		
3. Requested Allowable Emissions and Units:  0.0032 lb/MMBTU		
4. Equivalent Allowable Emissions: 1.32 lb/hour 5.78 tons/year		
5. Method of Compliance: Annual stack test with USEPA Method 13A or 13B pursuant to PSD Permit Number PSD-FL-108A.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):  Basis for allowable emissions = PSD Permit PSD-FL-108A.		
В.		
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: VOC
2.	Total Percent Efficiency of Control: % Not Applicable - Section III E.2
3.	Primary Control Device Code: 010
4.	Secondary Control Device Code: <b>067</b>
5.	Potential Emissions: 6.60 lb/hour 28.91 tons/year
6.	Synthetically Limited? [ ] Yes [ X ] No
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1
8.	Emission Factor: 0.016 lb/MMBTU  Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	[] 1
10	Calculation of Emissions:
	$\frac{0.016  lb}{MMBTU} \times \frac{412.5  MMBTU}{hr} = \frac{6.60  lb}{hr}$
11	Pollutant Potential/Estimated Emissions Comment:

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# Allowable Emissions (Pollutant identified on front of page)

1.	Basis for Allowable Emissions Code: Other
2.	Future Effective Date of Allowable Emissions: NOT APPLICABLE
3.	Requested Allowable Emissions and Units:  0.016 lb/MMBTU
4.	Equivalent Allowable Emissions: 6.60 lb/hour 28.91 tons/year
PS	Method of Compliance: Annual stack test with USEPA Method 25 or 25A pursuant to SD Permit Number PSD-FL-108A.
	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): asis for allowable emissions = PSD Permit PSD-FL-108A.
В.	
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 9 of 11

1.	Pollutant Emitted: SO <sub>2</sub>
2.	Total Percent Efficiency of Control: 70 %
3.	Primary Control Device Code: 067
4.	Secondary Control Device Code: 010
5.	Potential Emissions: 34.62 lb/hour 151.64 tons/year
6.	Synthetically Limited?
	[ ] Yes [ <b>X</b> ] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1
8.	Emission Factor: 70% removal or 30 ppmdv at 7% O <sub>2</sub> (24-hour geometric mean) Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	[]1 []2 []3 []4 [X]5
10	. Calculation of Emissions:
30	$\frac{0 \text{ ppmdv}}{1 \times 10^{6}} \text{ at 7\% } O_{2} \times 115693.8 \text{ dscfm at7\% } O_{2} \times \frac{64.07 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{34.62 \text{ lb}}{\text{hr}}$
11	. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for SO <sub>2</sub> emissions
fro	om natural gas burners during warm-up.

A.

# Allowable Emissions (Pollutant identified on front of page)

1. Basis for Allowable Emissions Code: Rule/Other
2. Future Effective Date of Allowable Emissions: NOT APPLICABLE
3. Requested Allowable Emissions and Units: 70% removal or 30 ppmdv at 7% O <sub>2</sub> (24-hour geometric mean)*
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: CEM pursuant to PSD-FL-108A and annual stack test with USEPA Method 6, 6C, 8, or other method approved by FDEP.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): Basis for allowable emissions = PSD Permit PSD-FL-108A and 40 CFR 60, Subpart Ca.  *Except during start-up/shutdown/malfunction periods of maximum three hours each occurrance.
В.
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 10 of 11

1.	Pollutant Emitted: HCl
2.	Total Percent Efficiency of Control: 90 %
3.	Primary Control Device Code: 067
4.	Secondary Control Device Code: 010
5.	Potential Emissions: 16.42 lbs/hour 71.92 tons/year
6.	Synthetically Limited? [ ] Yes [X] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1
8.	Emission Factor: 90% removal or 25 ppmdv at 7% O <sub>2</sub> (three run test average) Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	[]1 []2 []3 []4 [X]5
10	. Calculation of Emissions:
25	$\frac{5 \text{ ppmdv at 7% } O_2}{1 \text{ x } 10^6} \text{ x } 115693.8 \text{ dscfm at 7% } O_2 \text{ x } \frac{36.47 \text{ lb}}{\text{mole}} \text{ x } \frac{0.002595 \text{ mole}}{\text{dscf}} \text{ x } \frac{60 \text{ min}}{\text{hr}}$ $= \frac{16.42 \text{ lb}}{\text{hr}}$
11	. Pollutant Potential/Estimated Emissions Comment:

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

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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 11 of 11

1.	. Pollutant Emitted: Diox (Dioxins and Furans)						
2.	Total Percent Efficiency of Control: % Not Applicable						
3.	Primary Control Device Code: 067						
4.	Secondary Control Device Code: 010						
5.	Potential Emissions: 2.60 x 10 <sup>-4</sup> lbs/hour 1.14 x 10 <sup>-3</sup> tons/year						
6.	Synthetically Limited? [ ] Yes [ X ] No						
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1						
8.	Emission Factor: 60 ng/dscm at 7% O <sub>2</sub> total dioxins/furans Reference: Permit Number: PSD-FL- 108 A						
9.	Emissions Method Code: [ ] 1						
	[] 1						
10	. Calculation of Emissions:						
60	$O \log / dscm \ at \ 7\% \ O_2 x.0283 \ x \ \frac{115693.8 \ dscf}{min} \ at \ 7\% \ O_2 \ x \ 2.205 \ x \ \frac{10^{-12} \ lb}{ng} \ x \ \frac{60 \ min}{hr} = \frac{2.60 x 10^{-4} \ lb}{hour}$						
11	11. Pollutant Potential/Estimated Emissions Comment:						

#### Emissions Unit Information Section <u>1</u> of <u>17</u>

Allowable Emissions (Pollutant identified on front of page)

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

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

1.	Visible Emissions Subtype: VE	-					
2.	Basis for Allowable Opacity:	[ <b>X</b> ] Rule [	Other				
3.	1 1 1	10 <sup>a</sup> % Exceptional Conditions: ity Allowed:	>10 <sup>b</sup> % 60 <sup>b</sup> min/hour				
4.	Method of Compliance:						
	Continuous Opacity Monitor (COMs) and annual stack test with USEPA Method 9 prusuant to PSD-FL-108A.						
5.	Visible Emissions Comment:	<del></del>					
<sup>b</sup> M	ursuant to 40 CFR 60, Subpart C Iaximum duration of start-up, sh r occurance pursuant to PSD-FL	utdown, and malfunction not	to exceed three hours				

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#### 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

I.	Parameter Code: 0 <sub>2</sub>					
2.	CMS Requirement:	[	]	Rule	[X] Other	
3.	Monitor Information: Manu Model Number: <b>Z-69M/20/011</b>			r: <b>Kent</b> - Number:	t-Taylor : F/10228/1/3	
4.	Installation Date (DD-MON-YYYY):		O	tober, 19	989	
5.	Performance Specification Test Date (D	D-N	ИO	N-YYYY	Y): October 23-27, 1989	
6.	Continuous Monitor Comment: O <sub>2</sub> mo	nito	rr	equired p	pursuant to PSD-FL-108A	4.

# Continuous Monitoring System: Continuous Monitor 2 of 8

1.	Parameter Code: CO <sub>2</sub>		
2.	CMS Requirement:	[ ] Rule	[X] Other
		[ ] reare	[11] 0 11101
<u>3.</u>	Monitor Information: Manufacturer:	Milton Roy	
	Flue: Model Number: 3300	Serial Number:	N2J4635T
	Stack: Model Number: 3300	Serial Number:	N2C2522T
	Stack. Widdel Nullidel. 3300	Seriai Nulliber.	NZCZ3ZZ I
	_		
4.	Installation Date (DD-MON-YYYY):	October 1989	
٦٠.	installation Date (DD-WON-1 1 1 1).	October 1989	
5	Performance Specification Test Date	(DD-MON-YYYYY	October 23-27, 1989
5.	refromunee opecimenton rest Bute	(BB MOIVE LLLL)	7. October 23 27, 1707
6	Continuous Monitor Comment: CO <sub>2</sub>	monitor required	pursuant to PSD-FL-108A
0.	Communication Comment. CO2	monitor required	pursuant to 1 0D 1 D 10011

# Continuous Monitoring System: Continuous Monitor 3 of 8

23370-210
233581-245
7, 1989
-FL-108A.
r
r
r ) analyzer
) analyzer
2

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6. Continuous Monitor Comment: CO monitor required pursuant to PSD-FL-108A.

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# Continuous Monitoring System: Continuous Monitor 5 of 8

1.	Parameter Code: NO <sub>x</sub>					
		_				
2.	CMS Requirement:	[	] Rule	[X] Other		
3.	. Monitor Information: Chemilluminescent NO <sub>x</sub> analyzer  Manufacturer: Thermo Environmental Instruments					
	Model Number: 14B/E	CIITA	Serial Number:	14B-E-22764-207		
4.	Installation Date (DD-MON-YYYY):	Oc	tober, 1989			
5.	Performance Specification Test Date (D	D-1	MON-YYYY): O	ctober 23-27, 1989		
6.	Continuous Monitor Comment: NO <sub>x</sub> m	oni	tor required purs	euant to PSD-FL-108A.		
Cor	Continuous Monitoring System: Continuous Monitor 6 of 8					

1.	Parameter Code: Temperature (outlet	of S	SDA)	
2.	CMS Requirement:	[	] Rule	[X] Other
3.	Monitor Information: Manufacturer: Omega Model Number: RTD-0100		Se	rial Number: <b>N/A</b>
4.	. Installation Date (DD-MON-YYYY): October, 1989			
5.	Performance Specification Test Date (D	D-1	MON-YYY	Y): October 23-27,1989
6.	Continuous Monitor Comment:			
	Temperature monitor required pursuant to PSD-FL-108A.			

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# Continuous Monitoring System: Continuous Monitor 7 of 8

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

# Continuous Monitoring System: Continuous Monitor 8 of 8

1.	Parameter Code: Flow (steam)		
2.	CMS Requirement:	[X] Rule	[ ] Other
3.	Monitor Information:  Manufacturer: Yokogawa  Model Number: YA11F	Seria	al Number: F522CA1-U 419
4.	Installation Date (DD-MON-YYYY):	October, 198	39
5.	Performance Specification Test Date (I	DD-MON-YYY	YY): October 23-27, 1989
6.	Continuous Monitor Comment:  Steam flow monitor required pursua	ant to PSD-FL	-108A.

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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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# 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.

[X] The emissions unit addressed in this section this application, or has undergone PSD review preview emissions unit consumes increment.	·
[ ] The facility addressed in this application is pursuant to paragraph (c) of the definition of "major 62-213, F.A.C., and the emissions unit addressed in commence) construction after February 8, 1988. If semissions unit consumes increment.	source of air pollution" in Chapter this section commenced (or will
[ ] The facility addressed in this application is and the emissions unit began initial operation after F 28, 1988. If so, baseline emissions are zero, and em	ebruary 8, 1988, but before March
[ ] For any facility, the emissions unit began (March 28, 1988. If so, baseline emissions are zero, a increment.	<u> </u>
[ ] None of the above apply. If so, the baselin nonzero. In such case, additional analysis, beyond the to determine whether changes in emissions have occurred baseline date that may consume or expand increment	ne scope of this application, is needed urred (or will occur) after the
3. Increment Consuming/Expanding Code:	
PM [X] C [] E	[ ] Unknown
SO2 [X]C []E	[ ] Unknown

3. I	ncrement Cons	uming/Expandir	ng Code:	_	
	PM	[X] C	[ ] E	[ ] Unknown	
	SO2	[X] C	[ ]E	[ ] Unknown	
	NO2	[X]C	[ ]E	[ ] Unknown	
4. I	Baseline Emissi	ons:			
	PM		lb/hour	tons/year	
	SO2		lb/hour	tons/year	
	NO2			tons/year	
5. I	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

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

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Additional Supplemental Requirements for Category 1 Applications Univ
Alternative Methods of Operation     Attached [X] Not Applicable     Document ID:
<ul><li>11. Alternative Modes of Operation (Emissions Trading)</li><li>[ ] Attached, [X] Not Applicable</li><li>Document ID:</li></ul>
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements  [ ] Attached [ X ] 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:
[X] Not Applicable

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#### 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:

[X] 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**

		Init Addressed in This Section			
2.	ARMS Identification Numb	per: [X] No Corres	sponding ID [ ] Unknown		
3.	Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: <b>49</b>		
6.	Initial Startup Date (DD-M	ON-YYYY): November 15,	1989		
7.	Long-term Reserve Shutdov	wn Date (DD-MON-YYYY):	Not Applicable		
8.	8. Package Unit: RDF Boiler Manufacturer: Babcock & Wilcox Model Number: Sterling Power Boiler				
9.	Generator Nameplate Ratin	g: <b>62.0</b> MV	V		
10.	Incinerator Information:  Dwell Temperature: 1800-  Dwell Time: one (1)  Incinerator Afterburner Temperature	+ °F seconds nperature :°F <b>Not Applicable</b>	;		
11.	Emissions Unit Comment:	Shares turbine for Boiler #1			

Emission Unit 002 - 2

# **Emissions Unit Control Equipment**

A.	
1.	Description: Spray Dryer Absorber
2.	Control Device or Method Code: 067
В.	
1.	Description: Electrostatic Precipitator
2.	Control Device or Method Code: 010
<b>C</b> .	•
1.	Description:
2.	Control Device or Method Code:

Emission Unit 002 - 3

**Emissions Unit Operating Capacity** 

2. Maximum Incineration Rate:

1. Maximum Heat Input Rate: 412.5 mmBtu/hr **75,000** lb/hr

3. Maximum Process or Throughput Rate: NOT APPLICABLE

4. Maximum Production Rate: NOT APPLICABLE

5. Operating Capacity Comment: Maximum capacity is based on reference heating value of 5,500 BTU/lb RDF.

# **Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:

24 hours/day

7 days/week

900 tons/day

52 weeks/year

8760 hours/year

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#### **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.

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

NOT APPLICABLE	
	_

Emission Unit 002 - 5

<u>List of Applicable Regulations</u> (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	

## 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 Drawing 07187	Point on Plot Plant Plant Plant -016-096, G-1 &		_		
2.	Emission Point	Type Code: ] 1 [ X ] 2	[ ] 3	[	] 4	
3.	Descriptions of	Emissions Points	Comprising	this Emissic	ns Unit:	
	Each boiler has an independent Air Pollution Control (APC) train. The flue gas from each APC train will exhaust through a common stack.					
4.		Boiler #2 exhaus Boiler #2 have a	t to a commo	n stack con	sisting of t	hree flues.
5.	Discharge Type					
	[	] D ] R	[ ] F [X] V		] H ] W	[ ] P
6.	Stack Height:					250 feet
7.	Exit Diameter:					5 feet
8.	Exit Temperatur	re:			_	<b>300</b> °F
9.	Actual Volumet	ric Flow Rate:		19	<b>8,774</b> acfm	1

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20 %
n
LICABLE feet
(km): <b>2960.474</b>
MMBTU/hr. which

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

5. Maximum Annual Rate: N/A				
5. Maximum Annual Rate: N/A				
5. Maximum Annual Rate: N/A				
PLICABLE				
8. Maximum Percent Ash: NOT APPLICABLE				
9. Million Btu per SCC Unit: 11 MMBTU/ton of RDF				
7				

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Segment Description and Rate: Segment 2	Segment Description and Rate: Segment 2 of 2				
1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):					
Combustion boiler for electric generation with natural gas (emissions related to MM cu. ft. of natural gas burned).					
2. Source Classification Code (SCC): 101006	01				
3. SCC Units: MM cu. ft. of natural gas bur	ned				
4. Maximum Hourly Rate: 0.2  5. Maximum Annual Rate: See Note Below					
6. Estimated Annual Activity Factor: <b>NOT A</b>	PPLICABLE				
7. Maximum Percent Sulfur: Negligible	8. Maximum Percent Ash: Negligible				
9. Million Btu per SCC Unit: 1056.7 BTU/cu	.ft.				
10. Segment Comment:					
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.					

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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: PM					
2.	Total Percent Efficiency of Control: 99 %					
3.	Primary Control Device Code: 010					
4.	Secondary Control Device Code: 067					
5.	Potential Emissions: 14.875 lb/hour 65.15 tons/year grains / dscf (Permit Conditions)					
6.	Synthetically Limited? [ ] Yes [X] No					
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1					
8.	8. Emission Factor: 0.015 gr/dscf at 7% O <sub>2</sub> Reference: Permit Number: PSD-FL-108A					
9.	Emissions Method Code:					
	[]1 []2 []3 []4 [X]5					
10.	Calculation of Emissions:					
	0.015 gr / dscf at 7% $o_2$ x 115693.8 dscfm at 7% $O_2$ x $\frac{1 \text{ lb}}{7000 \text{ grains}}$ x $\frac{60 \text{ min}}{hr} = \frac{14.875 \text{ lb}}{hr}$					
11.	Pollutant Potential/Estimated Emissions Comment:					
	See Appendix F-1 for PM emissions from natural gas burners during warm-up.					

Emission Unit 002 - 11

# Allowable Emissions (Pollutant identified on front of page)

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

Emission Unit 002 - 12

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

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

Emission Unit 002 - 13

Allowable Emissions (Pollutant identified on front of page)

Α.			
1.	Basis for Allowable Emissions Code: O	ther	
2.	Future Effective Date of Allowable Emis	ssions: NOT APPLICA	BLE
3.	Requested Allowable Emissions and Un	its: 0.48 lb/MMBTU (2	4-hour block average)*
4.	Equivalent Allowable Emissions:	198 lb/hour	<b>867.24</b> tons/year
5.	Method of Compliance:	_	
	EM and annual stack test with USEPA in the proved by FDEP pursuant to PSD Perm		
	Pollutant Allowable Emissions Commerasis for allowable emissions = PSD perm	•	,
	Except for start-up/shutdown/malfunction	on period of maximum	three hours per
В.			
1.	Basis for Allowable Emissions Code:		
2.	Future Effective Date of Allowable Emis	ssions:	
3.	Requested Allowable Emissions and Un	its:	
4.	Equivalent Allowable Emissions:	lb/hr	tons/year
5.	Method of Compliance:		
6.	Pollutant Allowable Emissions Commer	at (Desc. of Related Oper	rating Method/Mode):

Emission Unit 002 - 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: CO					
2.	Total Percent Efficiency of Control: NOT APPLICABLE %					
3.	Primary Control Device Code: NOT APPLICABLE					
4.	Secondary Control Device Code: NOT APPLICABLE					
5.	Potential Emissions: 201.75 lb/hour 441.85 tons/year					
6.	Synthetically Limited?					
	[ ] Yes [X] No					
7.	Range of Estimated Fugitive/Other Emissions:					
	[ ] 1					
8.	Emission Factor: 400 ppmdv at 7% O <sub>2</sub> (1-hour average)					
٠	200 ppmdv at 7% O <sub>2</sub> (24 Hour daily average)					
	Reference: Permit Number: PSD-FL-108A					
9.	Emissions Method Code: [ ] 1					
10	10. Calculation of Emissions:					
40	$\frac{400 \text{ ppmdv at 7\% } O_2}{1 \text{ x } 10^6} \text{ x } 115,693.8 \text{ dscfm at 7\% } O_2 \text{ x } \frac{28.01 \text{ lb}}{\text{mole}} \text{ x } \frac{0.002595 \text{ mole}}{\text{dscf}} \text{ x } \frac{60 \text{ min}}{\text{hr}}$					
	· · · · · · · · · · · · · · · · · · ·					
	$\frac{= 20.75  pounds}{hour}$ 200 ppmdv @ 7% O <sub>2</sub> = 100.88 pounds/hour					
11	11. Pollutant Potential/Estimated Emissions Comment:					

Emission Unit 002 - 15

See Appendix F-1 for CO emissions from natural gas burners during warm-up.

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

A.

- 1. Basis for Allowable Emissions Code: Other
- 2. Future Effective Date of Allowable Emissions: NOT APPLICABLE
- 3. Requested Allowable Emissions and Units: 400 ppmdv at 7% O2 (1-hour average)\*
- 4. Equivalent Allowable Emissions: 201.75 lb/hour

5. Method of Compliance:

CEM and annual stack test with USEPA Method 10 pursuant to PSD permit PSD-FL-108A.

N/A

tons/year

- 6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): Basis for allowable emissions = PSD permit number PSD-FL-108A.
  - \*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrance.

R

- 1. Basis for Allowable Emissions Code: Rule/Other
- 2. Future Effective Date of Allowable Emissions: NOT APPLICABLE
- 3. Requested Allowable Emissions and Units: 200 ppmdv at 7% O<sub>2</sub> (24-hour average)
- 4. Equivalent Allowable Emissions: N/A lb/hr 441.85 tons/year
- 5. Method of Compliance: CEM pursuant to PSD permit PSD-FL-108A.
- 6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

  Basis for allowable emissions = 40 CFR 60, Subpart Ca and PSD-FL-108A.
  - \*Except during start-up/shutdown/malfunction periods of maximum three hours per occurrance.

Emission Unit 002 - 16

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

#### 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:	H110 (Lead)		_		
2.	Total Percent Effici	iency of Control:	% Not Applica	ble - Section	III E.2	
3.	3. Primary Control Device Code: 010					
4.	Secondary Control I	Device Code: 067		_		
5.	Potential Emissions	3:	<b>0.165</b> lb/hour		0.723 tons/year	
6.	Synthetically Limit [ ] Yes [					
7.	_	Fugitive/Other Emis		to	tons/year	
8. Emission Factor: 4 x 10 <sup>-4</sup> lb/MMBTU  Reference: Permit Number: PSD-FL-108A						
9.	Emissions Method	Code:				
	[]1	[]2	3 [	] 4	[X] 5	
10.	10. Calculation of Emissions:					
	4	$4 \times 10^{-4} lb = 412.5 l$	MMBTU = 0.	165 lb		
	$\frac{4 \times 10^{-1} lb}{MMBTU} \times \frac{412.5 MMBTU}{hr} = \frac{0.165 lb}{hr}$					
11.	11. Pollutant Potential/Estimated Emissions Comment:					

Emission Unit 002 - 17

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

# Emissions Unit Information Section $\underline{2}$ of $\underline{17}$

# Allowable Emissions (Pollutant identified on front of page)

Α.						
1.	1. Basis for Allowable Emissions Code: Other					
2.	. Future Effective Date of Allowable Emissions:	NOT APPLICABI	LE			
3.	. Requested Allowable Emissions and Units: 4 x	10 <sup>-4</sup> lb/MMBTU				
4.	. Equivalent Allowable Emissions:	<b>0.165</b> lb/hour	0.723 tons/year			
5.	. Method of Compliance:					
A	Annual stack test with USEPA Method 12 purs	uant to PSD-FL-10	8A.			
	Pollutant Allowable Emissions Comment (Descassis for allowable emissions = PSD permit num	-	,			
В.						
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:					
		CD 1 10	26.1.106.12			
6.	Pollutant Allowable Emissions Comment (Desc	c. of Kelated Operati	ng Method/Mode):			

Emission Unit 002 - 18

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

	D 11	1. 1. TT44 / CLF			
1.	Pollutant Er	nitted: H114 (Merc	cury)		
2.	Total Percer	nt Efficiency of Con	trol: 97% (Ac	ceptance Test Val	lue)
3.	Primary Co	ntrol Device Code:	010		
4.	Secondary C	Control Device Code	: 067		
	•				
5	Potential Er	niesions:	0.149 1	n/hour	0.65 tons/year
٦.	1 Otential Li	1113310113.	V.147 I	o/ nour	0.03 tons/year
	C. 4141 11	T ::4. 10			
6.	Syntheticall	-			
	[ ] res	[X] No			
					<del>-</del>
7.	_	stimated Fugitive/Ot			, ,
		[ ] 2	[ ] 3	to	tons/year
8.	8. Emission Factor: 3.6 x 10 <sup>-4</sup> lb/MMBTU				
	Reference: Permit Number: PSD-FL-108A				
9.		Method Code:			
	[]1	[ ] 2	[]3	[]4	[ <b>X</b> ] 5
10.	Calculation	of Emissions:		_	
		,			
		$\frac{3.6 \times 10^{-4} lb}{MMBTU} \times \frac{41}{10}$	2.5 <i>MMBTU</i>	0.149 lb	
		$\frac{-}{MMBTU}$ $x -$	hr =	hr	
1 1	Dalladant D		:: C		<del></del>
11.	11. Pollutant Potential/Estimated Emissions Comment:				

Emission Unit 002 - 19

# Allowable Emissions (Pollutant identified on front of page)

А.	
1.	Basis for Allowable Emissions Code: Other
2.	Future Effective Date of Allowable Emissions: NOT APPLICABLE
3.	Requested Allowable Emissions and Units: 3.6 x 10 <sup>-4</sup> lb/MMBTU
4.	Equivalent Allowable Emissions: 0.149 lb/hour 0.65 tons/year
5.	Method of Compliance:
Aı	nnual stack test with USEPA Method 101 pursuant to PSD-FL-108A.
l	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): asis for allowable emissions = PSD permit number PSD-FL-108A.
В.	
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 - 20

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 En	nitted: H021 (Bery	llium)			
2. Total Percer	nt Efficiency of Con	trol: % Not	Applicable Section	III E.2	
3. Primary Cor	ntrol Device Code:	010	_		
·	ontrol Device Code				
5. Potential En	nissions: 3.01	<b>x</b> 10 <sup>-4</sup> lb/hour	13.18 x 10 <sup>-4</sup> tons/y	/ear	
6. Synthetically [ ] Yes	y Limited? [X] No				
[ ] 1	timated Fugitive/Ot [ ] 2	[ ] 3	to	tons/year	
8. Emission Factor: 7.3 x 10 <sup>-7</sup> lb/MMBTU  Reference: Permit Number: PSD-FL-108A					
9. Emissions N		[]3	[]4	[X] 5	
10. Calculation	of Emissions:				
	$\frac{7.3 \times 10^{-1} lb}{MMBTU} x$	412.5 MMBTU hr	$= \frac{3.01 \times 10^{-4} lb}{hr}$		
11. Pollutant Po	tential/Estimated E	missions Comme	nt:		

Emission Unit 002 - 21

Allowable Emissions (Pollutant identified on front of page)

Α.	
1.	Basis for Allowable Emissions Code: Other
2.	Future Effective Date of Allowable Emissions: NOT APPLICABLE
3.	Requested Allowable Emissions and Units: 7.3 x 10 <sup>-7</sup> lb/MMBTU
4.	Equivalent Allowable Emissions: 3.01 x 10 <sup>-4</sup> lb/hour 13.18 x 10 <sup>-4</sup> tons/year
	Method of Compliance: Annual stack test with USEPA Method 104 pursuant to PSD108A.
	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): sis for allowable emissions = PSD permit number PSD-FL-108A.
В.	
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 - 22

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

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:	FL (fluoride)	· 		
2.	Total Percent Effi	ciency of Contro	ol: % <b>Not</b> A	applicable Section	III E.2
3.	Primary Control D	Device Code: 01	0		
4.	Secondary Control	Device Code: (	067		
5.	Potential Emission	ns: 1.32 lb/	/hour 5.78	tons/year	
6.	Synthetically Lim [ ] Yes				
7	Range of Estimate	ed Fugitive/Othe	r Emissions		
<i>,</i> .	_	[ ] 2		to _	tons/year
8.	Emission Factor: Reference:	0.0032 lb/MMI Permit Number		A	
9.	Emissions Method	d Code:			
	[]1		[]3	[]4	[X] 5
10	. Calculation of Em	issions:			
		$\frac{0.0032  lb}{MMBTU} \times \frac{41}{1}$	12.5 MMBTU	$= \frac{1.32 lb}{1.32 lb}$	
		MMBTU	hr	hr	
11	Pollutant Potentia	I/Estimated Emi	ssions Commer		
	. i Situtant i Stolitia	r Estimated Elli	SSIONS COMMIC	•••	

Emission Unit 002 - 23

# Allowable Emissions (Pollutant identified on front of page)

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

DEP Form No. 62-210.900(1) - Form Effective: 11-23-94

May 6, 1996

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: VOC
2.	Total Percent Efficiency of Control: % Not Applicable Section III E.2
3.	Primary Control Device Code: 010
4.	econdary Control Device Code: 067
5.	Potential Emissions: 6.60 lb/hour 28.91 tons/year
6.	Synthetically Limited?
	Yes [X] No
7.	Range of Estimated Fugitive/Other Emissions:
, ,	[ ] 1
8.	Emission Factor: 0.016 lb/MMBTU
	Reference: Permit Number: PSD-FL-108A
9.	Emissions Method Code:
	[] 1 [] 2 [] 3 [] 4 [X] 5
10	Calculation of Emissions:
10.	
	0.016 lb 412.5 MMBTU 6.60 lb
	$\frac{0.016  lb}{MMBTU} \times \frac{412.5  MMBTU}{hr} = \frac{6.60  lb}{hr}$
11	Pollutant Potential/Estimated Emissions Comment:
	diaminate of the contract of t

Emission Unit 002 - 25

# Allowable Emissions (Pollutant identified on front of page)

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

Emission Unit 002 - 26

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

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: SO <sub>2</sub>
2. Total Percent Efficiency of Control: 70 %
3. Primary Control Device Code: <b>067</b>
4. Secondary Control Device Code: 010
5. Potential Emissions: 34.62 lb/hour 151.64 tons/year Acceptance Test
6. Synthetically Limited?  [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions:  [ ] 1
8. Emission Factor: 70% removal or 30 ppmdv at 7% O <sub>2</sub> (24-hour geometric mean) Reference: Permit Number: PSD-FL-108A
9. Emissions Method Code: [ ] 1
10. Calculation of Emissions:
$\frac{30 \text{ ppmdv at 7\% } O_2}{1 \text{ x } 10^6} \text{ x } 115693.8 \text{ dscfm at 7\% } O_2 \text{ x } \frac{64.07 \text{ lb}}{\text{mole}} \text{ x } \frac{0.002595 \text{ mole}}{\text{dscf}} \text{ x } \frac{60 \text{ min}}{\text{hr}}$ $= \frac{34.62 \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:
See Appendix F-1 for SO <sub>2</sub> emissions from natural gas burned during warm-up.

Emission Unit 002 - 27

# Allowable Emissions (Pollutant identified on front of page)

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

Emission Unit 002 - 28

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.	1. Pollutant Emitted: HCl	
2.	2. Total Percent Efficiency of Control: 90 %	
3.	3. Primary Control Device Code: <b>067</b>	
4.	4. Secondary Control Device Code: 010	
5.	5. Potential Emissions: 16.42 lb/hour 71.92 tons/year	
6	6. Synthetically Limited?	
0.	[ ] Yes [X] No	
7.	7. Range of Estimated Fugitive/Other Emissions:	
, •		to tons/year
8.	8. Emission Factor: 90% removal or 25 ppmdv at 7% O <sub>2</sub> (3 r Reference: Permit Number: PSD-FL-108A	un test average)
9.	9. Emissions Method Code:	
· · ·	[]1 []2 []3	[ <b>X</b> ] 5
10	10. Calculation of Emissions:	
2	$\frac{25 \text{ ppmdv at 7\% } O_2}{1 \times 10^6} \times 115,93.8 \text{ dscfm at 7% } O_2 \times \frac{36.47 \text{ lb}}{\text{mole}} \times \frac{36.47 \text{ lb}}{\text{lb}} \times \frac{36.47 \text{ lb}}{\text{lb}} \times 36.4$	$\frac{0.002595 \text{ mole}}{dscf} \times \frac{60 \text{ min}}{hr}$ $= \frac{1642 \text{ lb}}{hr}$
11.	11. Pollutant Potential/Estimated Emissions Comment:	

Emission Unit 002 - 29

# Allowable Emissions (Pollutant identified on front of page)

A.	
1.	Basis for Allowable Emissions Code: Rule/Other
2.	Future Effective Date of Allowable Emissions: NOT APPLICABLE
3.	Requested Allowable Emissions and Units: removal or 25 ppmdv at 7% O <sub>2</sub> (3 run test average)
4.	Equivalent Allowable Emissions: 16.42 lb/hour 71.92 tons/year
5.	Method of Compliance:
	USEPA Method 26 or other methods approved by FDEP and USEPA.
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):
	Basis for allowable emissions = PSD permit number PSD-FL-108A and 40 CFR 60, Subpart Ca.
В.	
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 - 30

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: Diox	(Dioxins an	d Furans	)		
2.	Total Percent Efficiency	of Control:	% Not A	applicable Sec	ction III E.2	
3.	Primary Control Device	Code: <b>067</b>				-
4.	Secondary Control Device	e Code: <b>01</b> 0	)			
5.	Potential Emissions: 2.	60 x 10 <sup>-4</sup>	lb/hour	1.14 x 10 <sup>-3</sup>	tons/year	
6.	Synthetically Limited? [ ] Yes [ X ]	No				
7.	Range of Estimated Fug  [ ] 1 [ ]				to	tons/year
8.	Emission Factor: 60 ng/ Reference: Permi		O <sub>2</sub> (Tota	l dioxins/fura	ns)	
9.	Emissions Method Code	•				
•	[]1 []2		[]3	[]4		[X] 5
10.	. Calculation of Emissions	3:				
6	$\frac{0 \text{ ngx} 0.0283}{\text{cm at 7\% } O_2} x \frac{115,693.8}{\text{cm}}$	3 dscf at 7%	$\frac{O_2}{O_2}$ r 2 20	$0.5 \times \frac{10^{-12} lb}{1}$	<u>60 min</u> ≡	2.60x10 <sup>-4</sup> lb
ds	cm at 7% $O_2$ $^{\sim}$	min	ж 2.20	ng ^	hr	hr
11.	. Pollutant Potential/Estim	ated Emissio	ons Comn	nent:		

Emission Unit 002 - 31

# Allowable Emissions (Pollutant identified on front of page)

1.	Basis for Allowable Emissions Code: Rule/Other				
2.	Future Effective Date of Allowable Emissions: NOT APPLICABLE				
3.	Requested Allowable Emissions and Units: 60 ng/dscm at 7% O <sub>2</sub> (total)				
4.	Equivalent Allowable Emissions: 2.60 x 10 <sup>-4</sup> lb/hour 1.14 x 10 <sup>-3</sup> tons/year				
5.	Method of Compliance:				
	Annual stack test with USEPA Method 23 pursuant to PSD-FL- 108A.				
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):				
	Basis for allowable emissions = PSD permit number PSD-FL-108A and 40 CFR 60, Subpart Ca.				
В.					
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 - 32

#### 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 Subturns, VE					
1.	Visible Emissions Subtype: VE					
	D : C All 11 O :	f W 1 To 1	r	1.04		
2.	Basis for Allowable Opacity:	[X] Rule	l	] Other		
	D 141 11 0					
٤.	Requested Allowable Opacity: Normal Conditions:	10 <sup>8</sup> 0/ Expontional Condition		>10 <sup>b</sup> %		
	Maximum Period of Excess Opaci	10 <sup>a</sup> % Exceptional Condition	18.	60 <sup>b</sup> min/hour		
	Waximum Terrod of Excess Opaci	ity Anowed.		oo iiiiibiiodi		
4	Method of Compliance:					
	Method of Comphanec.					
	ontinuous Opacity Monitor (COM rsuant to PSD-FL-108A.	ls) and annual stack test wi	th I	USEPA Method 9		
-	Visible Emissions Comment:			<del>.</del>		
	ursuant to 40 CFR 60, Subpart, C	'a - 6-minute block average				
				o exceed three hours		
	<sup>b</sup> Maximum duration of start-up, shutdown, and malfunction not to exceed three hours per occurrance pursuant to PSD-FL-108A.					

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#### 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.

<u>Continuous Monitoring System:</u> Continuous Monitor <u>1</u> of <u>8</u>

1.	Parameter Code: O <sub>2</sub>
2.	CMS Requirement: [ ] Rule [ X ] 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): October, 1989
5.	Performance Specification Test Date (DD-MON-YYYY): October 23-27, 1989
6.	Continuous Monitor Comment:  O <sub>2</sub> monitor required pursuant to PSD-FL-108A.
Co	ntinuous Monitoring System: Continuous Monitor 2 of 8
1.	Parameter Code: CO <sub>2</sub>
2.	CMS Requirement: [ ] Rule [X] Other
3.	Monitor Information: Manufacturer: Milton-Roy Flue: Model Number: 3300 Serial Number: N3A2472T Stack: Model Number: 3300 Serial Number: N3A2463T
4.	Installation Date (DD-MON-YYYY): October, 1989
5.	Performance Specification Test Date (DD-MON-YYYY): October 23-27, 1989
6.	Continuous Monitor Comment: CO <sub>2</sub> monitor required pursuant to PSD-FL-108A.

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# Continuous Monitoring System: Continuous Monitor 3 of 8

1.	Parameter Code: SO <sub>2</sub>			
2.	CMS Requirement:	[	] Rule	[X] Other
3.	Monitor Information: Fluorescent SO <sub>2</sub> Manufacturer: Thermo Environme Flue: Model Number: 43A Stack: Model Number: 43A		Instruments Serial Num	ber: 43A-41813-266 ber: 43A-41812-266
4.	Installation Date (DD-MON-YYYY): (	Octol	ber, 1989	
5.	Performance Specification Test Date (D	D-M	ON-YYYY):	October 23-27, 1989
6.	Continuous Monitor Comment:			
	SO <sub>2</sub> monitor required pursuant to PS	SD-F	L-108A.	
Cor	ntinuous Monitoring System: Continuo	ous M	Ionitor 4 of	<u>8</u>
1.	Parameter Code: CO			
2.	CMS Requirement:	[	] Rule	[X] Other
3.	Monitor Information: Gas filter correl Manufacturer: Thermo Environme Model Number: 48	ental	Instruments	ive infrared CO analyzer 48-23414-210
4.	Installation Date (DD-MON-YYYY):	Octo	ober, 1989	
5.	Performance Specification Test Date (D	D-M	ON-YYYY):	October 23-27, 1989
6.	Continuous Monitor Comment: CO monitor required pursuant to Ps	SD-F	L-108A.	

Emission Unit 002 - 35

# Continuous Monitoring System: Continuous Monitor \_5 \_ of \_8 1. Parameter Code: NO<sub>x</sub> 2. CMS Requirement: [ ] Rule [X] Other 3. Monitor Information: Chemilluminescent NO<sub>x</sub> analyzer Manufacturer: Thermo Environmental Instruments Model Number: 14B/E Serial Number: 14B-E-23300-209 4. Installation Date (DD-MON-YYYY): October, 1989 5. Performance Specification Test Date (DD-MON-YYYY): October 23-27, 1989

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

NO<sub>x</sub> monitor required pursuant to PSD-FL-108A.

6. Continuous Monitor Comment:

1.	Parameter Code: Temperature (outlet	of S	SDA)	
2.	CMS Requirement:	[	] Rule	[X] Other
3.	Monitor Information:			
١ .	Manufacturer: Omega			
	Model Number: RTD-0100		Serial	Number: <b>N/A</b>
4.	Installation Date (DD-MON-YYYY):	Oc	tober, 1989	
5.	Performance Specification Test Date (I	D-l	MON-YYYY):	October 23-27, 1989
6.	Continuous Monitor Comment:			
	Temperature monitor required pursu	ıant	t to PSD-FL-10	98A.

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# Continuous Monitoring System: Continuous Monitor 7 of 8

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

# Continuous Monitoring System: Continuous Monitor 8 of 8

1.	Parameter Code: Flow (steam)		
2.	CMS Requirement:	[X] Rule	[ ] Other
3.	Monitor Information: Manufacturer: Yokogawa Model Number: YA11F-SHS4		Serial Number: F522OA173 410
4.	Installation Date (DD-MON-YYYY):	October, 1989	
5.	Performance Specification Test Date (I	DD-MON-YYY	YY): October 23-27, 1989
6.	Continuous Monitor Comment:		
	Steam Flow monitor required pursus	ant to PSD-FL	-108A.

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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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# 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. [X] 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: [X] C PM ] E 1 Unknown SO<sub>2</sub> [X] C ] E ] Unknown Ε NO<sub>2</sub> [X]C1 Unknown 4. Baseline Emissions: PM lb/hour tons/year

5. PSD Comment:

Effective: 11-23-94

SO<sub>2</sub>

NO<sub>2</sub>

lb/hour

tons/year

tons/year

#### 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

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

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Additional Supplemental Requirements for Category 1 Applications Univ
10. Alternative Methods of Operation [ ] Attached [ X ] Not Applicable
Document ID:
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable  Document ID:
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements
[ ] Attached [ X ] 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:
[X] 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:

[X] 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**

		nit Addressed in This Section: I	
2.	ARMS Identification Numb	per: [X] No Correspondin	ng ID [ ] Unknown
3.	Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6.	Initial Startup Date (DD-M	ON-YYYY): November 15, 19	89
<u>7.</u>	Long-term Reserve Shutdo	wn Date (DD-MON-YYYY): N	lot Applicable
8.	Package Unit: <b>NOT APPL</b> Manufacturer:	ICABLE Model Nun	nber:
9.	Generator Nameplate Ratin	g: <b>NOT APPLICABLE</b>	C MW
10.	Incinerator Information: NO	OT APPLICABLE	
	Dwell Temperature:	°F	
	Dwell Time: Incinerator Afterburner Ter	seconds	
	inchierator Afterburner Ter	iiperature. r	
11.	Emissions Unit Comment:		

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### **Emissions Unit Control Equipment**

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

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

## **Emissions Unit Operating Schedule**

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

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#### **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		

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<u>List of Applicable Regulations</u> (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	
· · · · · · · · · · · · · · · · · · ·	
<u>-</u>	

## 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:	
Dr	rawing 07187-016-096, G-1 & G-2 Appendix A-2	
2.	Emission Point Type Code: [X] 1 [] 2 [] 3 [] 4	
	Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
	ID Numbers or Descriptions of Emission Units with this Emission Po	int in Common:
	Discharge Type Code:           [ ] D	
6.	Stack Height: 66 ' 10.5"	<u>feet</u>
<u>7.</u>	Exit Diameter: 59.375 " feet	
8.	Exit Temperature:	Ambient °F
9.	Actual Volumetric Flow Rate:	11,400 acfm

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10. Percent Water Vapor	:	NOT APPLICABLE %	
11. Maximum Dry Stand	ard Flow Rate:	NOT APPLICABLE dscfm	
12. Nonstack Emission Point Height: NOT APPLICA		NOT APPLICABLE feet	
13. Emission Point UTM Zone: 17	Coordinates: East (km): 585.82	North (km): 2960.474	
14. Emission Point Com	ment:		

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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):				
General process (emissions related to tons pr	ocessed).			
	·			
2. Source Classification Code (SCC): 504002	01			
3. SCC Units: Tons Processed				
4. Maximum Hourly Rate: 25.0	5. Maximum Annual Rate: 219,000			
6. Estimated Annual Activity Factor: NOT Al	PPLICABLE			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:			
NOT APPLICABLE	NOT APPLICABLE			
9. Million Btu per SCC Unit: NOT APPLICA	ABLE			
10. Segment Comment:				
Maximum rate based on facility capacity to b	ourn 900 tons per day of RDF per boiler.			

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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 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.	econdary Control Device Code:
5.	Potential Emissions: 1.95 lb/hour 8.56 tons/year
6.	Synthetically Limited?
	Yes [X] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1 [ ] 2 [ ] 3totons/year
8.	Emission Factor: 0.02 gr/scf
	Reference: Engineering estimates and vendor data
9.	Emissions Method Code:
	[] 1 [] 2 [] 3 [] 4 [X] 5
10.	Calculation of Emissions:
	$0.02 \ gr \ / \ scf \ x \ \frac{11,400 \ scf}{\min} \ x \ \frac{1 \ lb}{7000 \ gr} \ x \ \frac{60 \ \min}{hr} \ = \ \frac{1.95 \ lb}{hr}$
	$\frac{0.02 \text{ gr } / \text{ scj } x}{\min} = \frac{x}{7000 \text{ gr}} = \frac{1}{hr} = \frac{1}{hr}$
11.	Pollutant Potential/Estimated Emissions Comment:

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Allowable Emissions (Pollutant identified on front of page)

Α.	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):
В.	
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.

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

1 X	Visible Emissions Subtype: VE				
1.	visible Emissions Subtype. VE				
2 F	Basis for Allowable Opacity:	[X] Rule	ſ	Other	
2. 1	subto for time waste opacity.	[14] Italio	L	) Other	
3. F	Requested Allowable Opacity:	<u> </u>			
	Normal Conditions:				10 %
F	Exceptional Conditions: NOT APPLIC	CABLE %			Maximum
Perio	od of Excess Opacity Allowed: NOT A	PPLICABLE			min/hour
4. N	Method of Compliance:				
Visu	al Observation				
5. N	Visible Emissions Comment:		_		
Basi	s for VE = Section 62-296.711 F.A.C.				

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#### 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: NOT APPLICABI	Æ			
2.	CMS Requirement:	[	] Rule	[	] Other
3.	Monitor Information: Manufacturer: Model Number:			Serial Num	ber:
4.	Installation Date (DD-MON-YYYY):		_		
5.	Performance Specification Test Date (I	DD-l	MON-YYYY	Y):	
6.	Continuous Monitor Comment:				

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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.

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. [X] 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

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baseline date that may consume or expand increment.

## 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 52-213, 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 nerement.
[ ] None of the above apply. If so, the baseline emissions of the emissions unit are

[ ] 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.	SO2 [	Expanding Code:  [ ] C	[ [ [	] Unknown ] Unknown ] Unknown
4.	Baseline Emissions: PM SO2 NO2	lb/hour lb/hour		tons/year tons/year 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**

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

Emissions Unit 003 - 16

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

Additional Supplemental Requirements for Category I Applications Univ				
10. Alternative Methods of Operation				
[ ] Attached [X] Not Applicable				
Document ID:				
11. Alternative Modes of Operation (Emissions Trading)				
[ ] Attached [X] Not Applicable				
Document ID:				
12. Enhanced Monitoring Plan				
[ ] Attached [X] Not Applicable				
Document ID:				
13. Identification of Additional Applicable Requirements				
[ ] Attached [X] 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:				
[X] 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:

[ X ] 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

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

## **Emissions Unit Description and Status**

l.	Description of Emissions U	Init Addressed in This Section:	RDF Process Line B
			·
2.	ARMS Identification Numb	per: [X] No Corresponding	ID [ ] Unknown
3	Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major
٥.	Code: A	Yes [X] No	Group SIC Code: 49
	Couc. A	[ ] ICS [X] NO	Group Sic Code. 49
6.	Initial Startup Date (DD-M	ON-YYYY): November 15, 19	<b>089</b>
7.	Long-term Reserve Shutdov	wn Date (DD-MON-YYYY): 1	Not Applicable
		,	• •
0	Package Unit: NOT APPI	TCADI E	<u> </u>
٥.	Package Unit: <b>NOT APPL</b> Manufacturer:	Model Nu	
	Manufacturer:	Model Nu	mber:
9.	Generator Nameplate Ratin	g: <b>NOT APPLICABLE</b> M'	W
10.	Incinerator Information: NO	OT APPLICABLE	
	Dwell Temperature:	°F	
	Dwell Time:	seconds	
	Incinerator Afterburner Ten		
	inemerator ritterourier ren	inperature: 1	
11.	Emissions Unit Comment:		
			•

Emissions Unit 004 - 2

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

## **Emissions Unit Control Equipment**

A.	
1.	Description: Dust Collector
2.	Control Device or Method Code: 018
В.	
1.	Description:
1.	bescription.
2.	Control Device or Method Code:
<b>C</b> .	
1.	Description:
-	Control Device or Method Code:
2.	Control Device of Method Code.

Emissions Unit 004 - 3

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

	issions Unit Operating Capacity			
1.	Maximum Heat Input Rate:	NOT APPLICABLI	E mmBtu/	hr
2.	Maximum Incineration Rate: NOT APPL	CABLE	lb/hr	tons/day
3.	Maximum Process or Throughput Rate: 50	,000 lb/hr of RDF		
4.	Maximum Production Rate: NOT APPLIC	CABLE		
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 004 - 4

DEP Form No. 62-210.900(1) - Form Effective: 11-23-94

May 6, 1996

#### **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.

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

NOT APPLICABLE		
	•	

Emissions Unit 004 - 5

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

<u>List of Applicable Regulations</u> (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 FAC	Stationary Sources - Emission Standards - Material Handling
62-213 F.A.C	Operating permits
·	

## 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:	
Dr	rawing 07187-016-096, G-1 & G-2 Appendix A-2	
2.	Emission Point Type Code: [X] 1 [] 2 [] 3 [] 4	
	Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4.	ID Numbers or Descriptions of Emission Units with this Emission Poi	nt in Common:
NO	OT APPLICABLE	
	Discharge Type Code:  [ ] D	
6.	Stack Height: 66' 10.5"	feet
7.	Exit Diameter: 59.375"	feet
8.	Exit Temperature:	Ambient °F
9.	Actual Volumetric Flow Rate:	11,400 acfm
10.	. Percent Water Vapor: NOT APPLICABLE	%

Emissions Unit 004 - 7

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

·	
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:	<del></del>
Zone: 17 East (km): 585.82 North (km): 2960.474	
14. Emission Point Comment:	

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

May 6, 1996

## 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): General Process (emissions related to tons processed)			
2. Source Classification Code (SCC): 504002	201		
3. SCC Units: Tons Processed			
4. Maximum Hourly Rate: 25.0	5. Maximum Annual Rate: 219,000		
6. Estimated Annual Activity Factor: <b>NOT A</b>	PPLICABLE		
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE		
9. Million Btu per SCC Unit: NOT APPLICABLE			
10. Segment Comment:			
Maximum rate based on facility capacity to	burn 900 tons per day of RDF per boiler.		

Emissions Unit 004 - 9

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

#### 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?					
0.	•		•			
	[ ] Yes [ X ] No					
7.	Range of Estimated Fugitive/Other E	Emissions	<b>5:</b>			
	[ ] 1 [ ] 2			tons/year		
	[ ] * [ ] *	1 13		tons, you		
8.	Emission Factor: 0.02 gr/scf					
	Reference: Engineering estim	ates and	vendor data			
			•			
9.	Emissions Method Code:					
	[]1 []2	[]3	[]4	[X] 5		
10.	). Calculation of Emissions:					
	0.02  cm / nof m	400 scf	$x \frac{1 lb}{7000 gr} x \frac{60 \min}{hr} =$	1.95 lb		
	$0.02 \text{ gr / scj x} \longrightarrow$		$\frac{1}{7000 \text{ gr}} \times \frac{1}{hr} = \frac{1}{hr}$	hr		
				• ••		
11.	. Pollutant Potential/Estimated Emissi	ons Com	ment:			

Emissions Unit 004 - 10

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

Allowable Emissions (Pollutant identified on front of page)

A.	NOT APPLIC	ABLE	
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 Operation	ng Method/Mode):
В.			
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 Operation	ng Method/Mode):

Emissions Unit 004 - 11

DEP Form No. 62-210.900(1) - Form Effective: 11-23-94

May 6, 1996

#### 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.

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

1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [] Other
3.	Requested Allowable Opacity: Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE % Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour
4.	Method of Compliance:
	sual Observation
5.	Visible Emissions Comment:
Ва	sis for VE = Section 62-296.711 F.A.C.

Emissions Unit 004 - 12

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

#### 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: NOT APPLICABLE	2					
2.	CMS Requirement:	[	] Rule		[ ] (	Other	
3.	Monitor Information: Manufacturer: Model Number:			Seria	l Numbe	r:	
4.	Installation Date (DD-MON-YYYY):						
5.	Performance Specification Test Date (D	D-M	ON-YYY	(Y):			
6.	Continuous Monitor Comment:						

Emissions Unit 004 - 13

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

# 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.
[X] 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

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

## 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 ar nonzero. In such case, additional analysis, beyond the scope of this application, is needed.

d to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3.	Increment Consu	ming/Expandin	ng Code:		
,	PM	[X] C	[ ]E	[ ] Unknown	
	SO2	į į C	ĪĒ	[ ] Unknown	
	NO2	[ ] C	[ ]E	[ ] Unknown	
4.	Baseline Emissio	ns:			
	PM		lb/hour	tons/year	
	SO2		lb/hour	tons/year	
	NO2			tons/year	
5.	PSD Comment:				_
1					

Emissions Unit 004 - 15

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

#### 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

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

Emissions Unit 004 - 16

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

Additional Supplemental Requirements for Category I Applications Only
10. Alternative Methods of Operation
[ ] Attached [X] Not Applicable
Document ID:
11. Alternative Modes of Operation (Emissions Trading)
[ ] Attached [X] Not Applicable
Document ID:
12. Enhanced Monitoring Plan
[ ] Attached [ X ] Not Applicable
13. Identification of Additional Applicable Requirements
[ ] Attached [X] 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:
[ V ] Not Applicable
[X] Not Applicable

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

#### 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:

[X] This Emissions Unit Information Section addressingle process or production unit, or activity, which pand which has at least one definable emission point (see Emis	roduces one or more air pollutants
[ ] This Emissions Unit Information Section addressindividually-regulated emission point (stack or vent) production unit, or activity, which also has other indi	serving a single process or
[ ] This Emissions Unit Information Section addrescollectively-regulated group of process or production least one definable emission point (stack or vent) but emissions.	units and activities which has at
[ ] This Emissions Unit Information Section one or more process or production units and activitie only.	

Emissions Unit 005 - 1

# Emissions Unit Information Section <u>5</u> of <u>17</u>

## **Emissions Unit Description and Status**

1.	Description of Emissions U	Jnit Addressed in This S	ection:				
RΓ	OF Process Line C						
2.	ARMS Identification Num	ber: [X] No Corresp	onding ID	[ ] Unknown			
3.	Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] N	<b>I</b>	Emissions Unit Major Group SIC Code: 49			
6.	Initial Startup Date (DD-MON-YYYY): November 15, 1989						
7.	Long-term Reserve Shutdown Date (DD-MON-YYYY): Not Applicable						
8.	Package Unit: NOT APPI						
	Manufacturer:	M	odel Number	<b>::</b>			
9.	. Generator Nameplate Rating: NOT APPLICABLE MW						
10.	Incinerator Information: N						
	Dwell Temperature: Dwell Time:	°F seconds					
	Incinerator Afterburner Ter						
11.	Emissions Unit Comment:						

Emissions Unit 005 - 2

# Emissions Unit Information Section <u>5</u> of <u>17</u>

## **Emissions Unit Control Equipment**

_

Emissions Unit 005 - 3

# Emissions Unit Information Section <u>5</u> of <u>17</u>

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

<u>Rule Applicability Analysis</u> (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 <u>5</u> of <u>17</u>

<u>List of Applicable Regulations</u> (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 F	lov	v Di	agram:			
Dr	awing 07187-016-096, G-1 & G-2	Ap	peı	ıdix	A-2			
2.	Emission Point Type Code: [X] 1 [ ] 2	[	]	3		[	] 4	
3.	Descriptions of Emissions Points ONOT APPLICABLE	Comp	oris	ing	this Em	issior	ns Unit:	
4.	ID Numbers or Descriptions of EmNOT APPLICABLE	nissic	n U	Jnit	s with th	his Er	nission	Point in Common:
5.	Discharge Type Code:  [ ] D	[	]	H W		[	] P	
6.	Stack Height: 66' 10.5"							feet
7.	Exit Diameter: 59.375"							feet
8.	Exit Temperature:							Ambient °F
9.	Actual Volumetric Flow Rate:							11,400 acfm
10	Percent Water Vapor: NOT APP	LIC	AF	BLE				%

Emissions Unit 005 - 7

## Emissions Unit Information Section <u>5</u> of <u>17</u>

11. Maximum Dry Standar	d Flow Rate: <b>NOT APPL</b>	LICABLE	dscfm
12. Nonstack Emission Poi	nt Height: NOT APPLIC	CABLE	feet
13. Emission Point UTM C	Coordinates:		
Zone: 17	East (km): 585.82	North (km):	2960.474
14. Emission Point Comme	ent:		

#### 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):					
Ge	eneral Process (emissions related to tons pr	ocessed)				
2.	Source Classification Code (SCC): 504002	01				
3.	SCC Units: Tons Processed					
4.	Maximum Hourly Rate: 25.0	5. Maximum Annual Rate: 219,000				
6.	Estimated Annual Activity Factor: NOT A	PPLICABLE				
	Maximum Percent Sulfur:	8. Maximum Percent Ash:				
]	NOT APPLICABLE	NOT APPLICABLE				
9.	Million Btu per SCC Unit: NOT APPLICA	ABLE				
10.	. Segment Comment:					
Maximum rate based on facility capacity to burn 900 tons per day of RDF per boiler.						

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: 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? [ ] Yes [ X ] No
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1
8.	Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data
a	Emissions Method Code:
٦.	[] 1
10.	. Calculation of Emissions:
	$0.02 \ gr \ / \ scf \ x \ \frac{11,400 \ scf}{\min} \ x \ \frac{1 \ lb}{7000 \ gr} \ x \ \frac{60 \ \min}{hr} \ = \ \frac{1.95 \ lb}{hr}$
11.	. Pollutant Potential/Estimated Emissions Comment:

Emissions Unit 005 - 10

## Emissions Unit Information Section <u>5</u> of <u>17</u>

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):
В.	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.

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

1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [] Other
3.	Requested Allowable Opacity: Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE % Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour
4.	Method of Compliance:
Vis	sual Observation
	•
5.	Visible Emissions Comment:
Ba	sis for VE = Section 62-296.711 F.A.C.

Emissions Unit 005 - 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: NOT APPLICABLE	E					
2.	CMS Requirement:	[	] Rule		[	] Other	
3.	Monitor Information: Manufacturer: Model Number:			Serial 1	Nur	nber:	
4.	Installation Date (DD-MON-YYYY):						
5.	Performance Specification Test Date (D	D-N	MON-YYY	Y):			
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. [X] 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

# 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.

3. Increment Consuming/Expanding Code: [X] C PM ] E ] Unknown SO2 [ ] C ] E ] Unknown ] E NO<sub>2</sub> ] Unknown 4. Baseline Emissions: lb/hour PM tons/year SO<sub>2</sub> lb/hour tons/year NO<sub>2</sub> tons/year 5. PSD Comment:

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.

#### 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

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

Emissions Unit 005 - 16

Additional Supplemental Requirements for Category I Applications Only 10. Alternative Methods of Operation [ ] Attached [ X ] Not Applicable Document ID:\_\_\_\_\_ 11. Alternative Modes of Operation (Emissions Trading) [ ] Attached [ X ] Not Applicable Document ID: 12. Enhanced Monitoring Plan [ ] Attached [X] Not Applicable Document ID: 13. Identification of Additional Applicable Requirements [ ] Attached [ X ] 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: [X] 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:

[X] 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 Description and Status**

1.	Description of Emissions U	Init Addressed in This Section:	OBW process line
2.	ARMS Identification Numb	ber: [X] No Correspo	onding ID [ ] Unknown
3.	Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49
6.	Initial Startup Date (DD-M	ON-YYYY): November 15, 19	289
7.	Long-term Reserve Shutdo	wn Date (DD-MON-YYYY): N	ot Applicable
8.	Package Unit: <b>NOT APPI</b> Manufacturer:	LICABLE Model Nu	mber:
9.	Generator Nameplate Ratin	ng: NOT APPLICABLE MV	W
10.	Incinerator Information: N Dwell Temperature: Dwell Time: Incinerator Afterburner Ter	°F seconds	
11.	Emissions Unit Comment:		

Emission Unit 006 - 2

## **Emissions Unit Control Equipment**

Α.	
1.	Description: Dust Collector
	•
	Control Device or Method Code: 018
2.	Control Device of Method Code. 018
В.	
<b>D</b> .	
1.	Description:
	•
2.	Control Device or Method Code:
~	
<b>C</b> .	
1	Description:
1.	Description.
2.	Control Device or Method Code:

Emission Unit 006 - 3

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

## **Emissions Unit Operating Schedule**

7 days/week
8760 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

<u>List of Applicable Regulations</u> (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				
1 1				
• • • • • • • • • • • • • • • • • • • •				

## 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**

•	ri .:c .: cp : 4 pi .pi .pi	D.	
1.	Identification of Point on Plot Plan or Fl	ow Diagram:	
Dr	awing No. 01787-016-096 G-1 & G-2	Appendix A-2	
2.	Emission Point Type Code: [X] 1 [ ] 2 [	] 3 [ ] 4	
	Descriptions of Emissions Points ComproNOT APPLICABLE	rising this Emissions Unit:	
	ID Numbers or Descriptions of Emission NOT APPLICABLE	n Units with this Emission Poi	nt in Common:
	Discharge Type Code:  [ ] D	] H [ ] P	
6.	Stack Height: 63' 10.5"		feet
7.	Exit Diameter: 45.375"		feet
8.	Exit Temperature:		Ambient °F
9.	Actual Volumetric Flow Rate:		11,400 acfm

Emission Unit 006 - 7

10. Percent Water Vapor	NOT APPLICABLE	%
11. Maximum Dry Standa	rd Flow Rate: NOT APPL	ICABLE dscfm
12. Nonstack Emission Po	oint Height: NOT APPLIC.	ABLE feet
13. Emission Point UTM		
Zone: 17	East (km): <b>585.82</b>	North (km): 2960.474
14. Emission Point Comm	nent:	

## 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 an General Process (emissions related to tons	
2. Source Classification Code (SCC): 504002	)1
3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: 30 TPH of Oversize Bulky Waste	5. Maximum Annual Rate: 262,800 TPY of Oversize Bulky Waste
6. Estimated Annual Activity Factor: NOT Al	PPLICABLE
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE
9. Million Btu per SCC Unit: NOT APPLICA	ABLE
10. Segment Comment:  Maximum rate based on facility capacity to be	ourn 900 tons per day of RDF per boiler.

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: PM/PM <sub>10</sub>		<del></del>	
2.	Total Percent Efficiency of Contro	ol:		99 %
3.	Primary Control Device Code: 01	.8		
4.	Secondary Control Device Code:			
5.	Potential Emissions:	<b>1.95</b> lb/h	our	8.56 tons/year
6.	Synthetically Limited?			-
	[ ] Yes [ <b>X</b> ] No			
7.	Range of Estimated Fugitive/Othe	r Emissions:		
	[ ] 1 [ ] 2	[ ] 3	to	tons/year
8.	Emission Factor: 0.02 gr/scf		<del></del>	
	Reference: Engineering est	timates and ven	dor data	
9	Emissions Method Code:			
, , , , , , , , , , , , , , , , , , ,	[] 1 [] 2	[]3	[]4	[ <b>X</b> ] 5
10.	. Calculation of Emissions:			
	$0.02 \ gr \ / \ scf \ x \ \frac{11,400}{\text{min}}$	$\frac{scf}{7000 gr} \times \frac{1 lb}{7000 gr}$	$x \frac{60 \text{ min}}{hr} = \frac{1.9.}{h}$	5 <i>lb</i> r
11.	. Pollutant Potential/Estimated Emi	ssions Commen	t:	

Emission Unit 006 - 10

Allowable Emissions (Pollutant identified on front of page)

A.	NOT APPLICA	ABLE	
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):
В.			
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.

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

1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [] Other
3.	Requested Allowable Opacity:  Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE %  Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour
4.	Method of Compliance:
Vis	ual Observation
5.	Visible Emissions Comment:
Ba	is for VE = Section 62-296.711 F.A.C.

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: Not Applicable						
2.	CMS Requirement:	[	]	Rule		[	] Other
3.	Monitor Information:  Manufacturer:  Model Number:				Seria	al Nui	mber:
4.	Installation Date (DD-MON-YYYY):						
5.	Performance Specification Test Date (DD	)-N	MO	N-YYY	Y):		
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.
[X] 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

Emission Unit 006 - 14

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baseline date that may consume or expand increment.

# 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

[ ] For any facility, the emissions unit began (or will begin) initial operation after

28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes

3. Increment Co. PM SO2 NO2	nsuming/Expandi [X]C []C []C	ng Code: [ ] E [ ] E [ ] E	[ ] Unknown [ ] Unknown [ ] Unknown	
4. Baseline Emis PM SO2 NO2	ssions:	lb/hour lb/hour	tons/year tons/year tons/year	
5. PSD Commer	nt:			

Emission Unit 006 - 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**

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

Emission Unit 006 - 16

Additional Supplemental Requirements for Category I Applications Unly
10. Alternative Methods of Operation  [ ] Attached [ X ] Not Applicable  Document ID:
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable  Document ID:
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements  [ ] Attached [X] 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:  [ ] Acid Rain Application (Hard-copy Required)
<ul> <li>[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:</li> <li>[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:</li> </ul>
[X] 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:

[X] 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

May 6, 1996

Effective: 11-23-94

## **Emissions Unit Description and Status**

1.	Description of Emissions Unit Addressed in This Section:		
	Ash Storage Silo No.1		
2.	ARMS Identification Numb	per: [X] No Corresponding I	D [ ] Unknown
3.	Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49
6.	Initial Startup Date (DD-Mo	ON-YYYY): November 15, 198	89
7.	. Long-term Reserve Shutdown Date (DD-MON-YYYY): Not Applicable		
8.	Package Unit: NOT APPL Manufacturer:	ICABLE Model Nun	nber:
9.	Generator Nameplate Ratin	g: <b>NOT APPLICABLE</b> MW	<b>V</b>
10.	Incinerator Information: No Dwell Temperature: Dwell Time: Incinerator Afterburner Ten	°F seconds	
11.	Emissions Unit Comment:		

Emission Unit 007 - 2

# Emissions Unit Information Section $\underline{7}$ of $\underline{17}$

## **Emissions Unit Control Equipment**

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

Emission Unit 007 - 3

<u>Em</u>	issions Unit Operating Capacity		
1.	Maximum Heat Input Rate: NOT APPLICABLE	mmBt	u/hr
2.	Maximum Incineration Rate: NOT APPLICABLE	lb/hr	tons/day
	Maximum Process or Throughput Rate:		
No	ot Applicable - Type P Discharge Section III C.5		
4.	Maximum Production Rate: NOT APPLICABLE		
5.	Operating Capacity Comment:		

## **Emissions Unit Operating Schedule**

ing Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year
	24 hours/day

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.

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

NOT APPLICABLE	

Emission Unit 007 - 5

<u>List of Applicable Regulations</u> (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 for Material Handling
62-213 F.A.C.	Operating Permits for Major Sources
All Other Regulations in the Title V Core List	

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**

I. Identification of Point on Plot Plan or Flow Diagram:	
Drawing 01787-016-096 G-1 & G-2 Appendix A-2	
2. Emission Point Type Code:  [X] 1 [] 2 [] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:	
NOT APPLICABLE	
5. Discharge Type Code:  [ ] D	
[ ] D	
6. Stack Height: feet Not Applicable Section III C.6	
7. Exit Diameter: feet Not Applicable Section III C.6	
8. Exit Temperature: Ambient °F	
9. Actual Volumetric Flow Rate: acfm Not Applicable Section III C.6	

Emission Unit 007 - 7

10. Percent Water Vapor	: NOT APPLICABLE	·· %
11. Maximum Dry Stand	ard Flow Rate: NOT APPLIC	CABLE dscfm
12. Nonstack Emission P	oint Height: NOT APPLICA	BLE feet
13. Emission Point UTM	Coordinates:	
Zone: 17	East (km): 585.82	North (km): 2960.474
14. Emission Point Com	nent:	

#### 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 ar	nd Associated Operating Method/Mode):			
General Process (emision related to tons processed).				
2. Source Classification Code (SCC): 504002	.01			
3. SCC Units: Tons Processed				
4. Maximum Hourly Rate:	5. Maximum Annual Rate:			
6 1PH transferred	52,560 TPY transferred			
6. Estimated Annual Activity Factor: <b>NOT A</b>	PPLICABLE			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:			
NOT APPLICABLE	NOT APPLICABLE			
9. Million Btu per SCC Unit: NOT APPLIC	ABLE			
10. Segment Comment:				

Emission Unit 007 - 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: PM/PM <sub>10</sub>
2.	Total Percent Efficiency of Control: 99 %
3.	Primary Control Device Code: 018
4.	Secondary Control Device Code:
	Potential Emissions: N/A lb/hour N/A tons/year ot Applicable Fugitive Dust Section III E.5
6.	Synthetically Limited?
	[ ] Yes [ <b>X</b> ] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1
8.	Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data
9.	Emissions Method Code:
	[]1 []2 []3 []4 [X]5
10.	Calculation of Emissions:
	$0.02 gr / scf x \frac{XX scf}{\min} x \frac{1 lb}{7000 gr} x \frac{60 \min}{hr}$
11.	Pollutant Potential/Estimated Emissions Comment:

Emission Unit 007 - 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):
В.	
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.

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

1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [] Other
	Requested Allowable Opacity:  Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE %  Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour
4.	Method of Compliance:
Vis	ual Observation
5.	Visible Emissions Comment:
Bas	sis for VE = Section 62-296.711 F.A.C.

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: Not Applicable							
2.	CMS Requirement:	[	]	Rule			[	] Other
3.	Monitor Information: Manufacturer: Model Number:				S	Serial 1	Nur	nber:
4.	Installation Date (DD-MON-YYYY):							
5.	Performance Specification Test Date (I	DD-1	MC	N-YY	YY)	:		
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.

undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[X] 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.

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.	PM SO2 NO2	suming/Expandir [X] C [] C [] C	[ ] E [ ] E [ ] E	[ ] Unknown [ ] Unknown [ ] Unknown	
4.	Baseline Emiss	ions:			
	PM		lb/hour	tons/year	
	SO2		lb/hour	tons/year	
	NO2			tons/year	

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

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

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Additional Supplemental Requirements for Category I Applications Only
10. Alternative Methods of Operation  [ ] Attached [ X ] Not Applicable  Document ID:
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable  Document ID:
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements  [ ] Attached [ X ] 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:
[X] 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:
[X] 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:					
Fly Ash Storage Silo #2	Fly Ash Storage Silo #2				
2. ARMS Identification Number	er: [X] No Corresponding I	D [ ] Unknown			
u3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49			
6. Initial Startup Date (DD-MO	N-YYYY): November 15, 198	89			
7. Long-term Reserve Shutdow	n Date (DD-MON-YYYY): No	ot Applicable			
8. Package Unit: <b>NOT APPLI</b> Manufacturer:	CABLE Model Nun	nber:			
9. Generator Nameplate Rating	: NOT APPLICABLE MW	V			
10. Incinerator Information: NO Dwell Temperature: Dwell Time: Incinerator Afterburner Temp	°F seconds				
11. Emissions Unit Comment:					

Emissions Unit 008 - 2

# **Emissions Unit Control Equipment**

A.	
1.	Description:
Du	ast Collector
2.	Control Device or Method Code: 018
В.	
1.	Description:
2.	Control Device or Method Code:
2.	
C	
<b>C</b> .	
1.	Description:
2.	Control Device or Method Code:
.,	

Emissions Unit 008 - 3

# Emissions Unit Information Section <u>8</u> of <u>17</u>

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

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24 hours/day

52 weeks/year

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7 days/week

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.

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

NOT APPLICABLE					
·					

Emissions Unit 008 - 5

<u>List of Applicable Regulations</u> (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:					
Dr	Drawing 07187-016-096, G-1 & G-2					
2.	Emission Point Type Code:					
	[X] 1 [ ] 2 [ ] 3 [ ] 4					
	Descriptions of Emissions Points Comprising this Emissions Unit:  NOT APPLICABLE					
	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  NOT APPLICABLE					
5.	Discharge Type Code:					
	[ ] D					
6.	Stack Height: feet Not Applicable Section III C.6					
7.	Exit Diameter: feet Not Applicable Section III C.6					
8.	Exit Temperature: Ambient °F					
9.	Actual Volumetric Flow Rate: acfm Not Applicable Section III C.6					

Emissions Unit 008 - 7

10.	Percent Water Vapor:	NOT APPLICABLE		%
11.	Maximum Dry Standar	d Flow Rate: NOT APPLI	CABLE	dscfm
12.	Nonstack Emission Po	int Height: NOT APPLICA	ABLE	feet
13.	Emission Point UTM (	Coordinates:		
	Zone: 17	East (km): 585.82	North (km):	2960.474
14.	Emission Point Comm	ent:		
		•		
		·		

#### 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 an	d Associated Operating Method/Mode):		
General Process (emissions related to tons pr	rocessed)		
2. Source Classification Code (SCC): 504002	01		
3. SCC Units: Tons Processed			
4. Maximum Hourly Rate: 6 TPH transferred	5. Maximum Annual Rate: 52,560 TPY transferred		
6. Estimated Annual Activity Factor: <b>NOT A</b>	PPLICABLE		
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE		
9. Million Btu per SCC Unit: NOT APPLICABLE			
10. Segment Comment:			

Emissions Unit 008 - 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: Pi	M/PM <sub>10</sub>			
2.	Total Percent Efficier	acy of Contro	ol:		99 %
3.	3. Primary Control Device Code: 018				
4.	Secondary Control De	vice Code:			
	Potential Emissions: ection III E.5	lb/hour to	ns/year Not Ap	plicable - Fugitive	dust
6.	Synthetically Limited [ ] Yes [ X				
7.	Range of Estimated F	-		to _	tons/year
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data					
9.	Emissions Method Co	ode:			
	• .		[]3	[]4	[X] 5
10.	Calculation of Emissi	ons:			-
	0.02 gr	$\sqrt{scf} \times \frac{XX}{mi}$	$\frac{scf}{dn} \times \frac{1 lb}{7000 gr}$	$x \frac{60 \text{ min}}{hr}$	
11.	Pollutant Potential/Es	timated Emi	ssions Commen	:	

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Allowable Emissions (Pollutant identified on front of page)

Α.	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):
В.	
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 008 - 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.

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

1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [] Other
3.	Requested Allowable Opacity:
	Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE %
	Maximum Period of Excess Opacity Allowed: <b>NOT APPLICABLE</b> min/hour
4.	Method of Compliance:
Vis	sual Observation
5	Visible Emissions Comment:
).	VISIDLE EMISSIONS COMMENT.
Ba	sis for VE = Section 62-296.711 F.A.C.

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: Not Applicable				
2.	CMS Requirement:	[	] Rule	[	] Other
3.	Monitor Information: Manufacturer: Model Number:			Serial Nu	mber:
4.	Installation Date (DD-MON-YYYY):				-
5.	Performance Specification Test Date (I	DD-	MON-YYY	Y):	-
6.	Continuous Monitor Comment:				

Emissions Unit 008 - 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.

undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[X] 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

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baseline date that may consume or expand increment.

#### 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 Consum PM [ SO2 [ NO2 [	ing/Expanding Co [ <b>X</b> ] C [ ] C [ ] C	ode: [ ] E [ ] E [ ] E	[ ] Unknown [ ] Unknown [ ] Unknown
4.	Baseline Emissions PM SO2 NO2	<b>;:</b>	lb/hour lb/hour	tons/year tons/year tons/year
5.	PSD Comment:			

Emissions Unit 008 - 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

Process Flow Diagram     [X] Attached [] Not Applicable [] Waiver Requested     Document ID: Appendix C-6
<ol> <li>Fuel Analysis or Specification</li> <li>[ ] Attached [X] Not Applicable [ ] Waiver Requested</li> <li>Document ID:</li> </ol>
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-3
4. Description of Stack Sampling Facilities  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:  [ X ] Not Applicable
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:
7. Operation and Maintenance Plan  [ ] Attached [ X ] Not Applicable  Document ID:
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 008 - 16

Additional Supplemental Requirements for Category I Applications Only			
10. Alternative Methods of Operation  [ ] Attached [ X ] Not Applicable  Document ID:			
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable  Document ID:			
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:			
13. Identification of Additional Applicable Requirements  [ ] Attached [ X ] 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:			
[X] 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:

[X] 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 Description and Status**

1. Description of Emissions Unit Addressed in This Section:					
Lime Storage Silo #1					
	-				
2. ARMS Identification Num	ber: [X] No Corresponding I	D [ ] Unknown			
3. Emissions Unit Status Code: A	4. Acid Rain Unit?  [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49			
Couc. A	[ ] Ics [X] No	Group Sie Code. 47			
6. Initial Startup Date (DD-M	ON-YYYY): November 15, 19	89			
7. Long-term Reserve Shutdo	wn Date (DD-MON-YYYY): N	ot Applicable			
8. Package Unit: <b>NOT APPI</b> Manufacturer:	LICABLE Model Nun	nber:			
9. Generator Nameplate Ratin	9. Generator Nameplate Rating: NOT APPLICABLE MW				
10. Incinerator Information: NOT APPLICABLE					
Dwell Temperature: Dwell Time:	°F seconds				
Incinerator Afterburner Ter	mperature:°F				
11. Emissions Unit Comment:					

Emissions Unit 009 - 2

# **Emissions Unit Control Equipment**

A.	
	Description: Dust Collector
2.	Control Device or Method Code: 018
В.	
1.	Description:
2.	Control Device or Method Code:
C.	
	Description:
2.	Control Device or Method Code:

Emissions Unit 009 - 3

Emissions Unit Operating Capacity					
1.	Maximum Heat Input Rate: NOT APPLICABLE	mmBt	u/hr		
2.	Maximum Incineration Rate: NOT APPLICABLE	lb/hr	tons/day		
	Maximum Process or Throughput Rate:		<del></del>		
Ту	pe P Discharge - Section III C.5				
4.	Maximum Production Rate: NOT APPLICABLE				
5.	Operating Capacity Comment:				

# **Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:			
	24 hours/day	7 days/week	
	52 weeks/year	8760 hours/year	
· .	SZ WOOKS, your	o / o no dis/y car	

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.

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

NOT APPLICABLE	
·	
-	
·	

Emissions Unit 009 - 5

<u>List of Applicable Regulations</u> (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.	1. Identification of Point on Plot Plan or Flow Diagram:				
D	wg: 07187-016-096, G-1 & G-2 Appendix A-2				
2.	Emission Point Type Code:				
	[X] 1 [ ] 2 [ ] 3 [ ] 4				
	Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE				
	NOT APPLICABLE				
4.	ID Numbers or Descriptions of Emission Units with this Emission Poi	nt in Common:			
	NOT APPLICABLE				
-5	Discharge Type Code:				
٦.	[ ] D [ ] F [ ] H [ ] P				
6	Stack Height: NOT APPLICABLE	feet			
0.	Stack Holght. Wol Mil Ble/IBBB	1001			
7.	Exit Diameter: NOT APPLICABLE	feet			
	TO 1 TO 1	A			
8.	Exit Temperature:	Ambient °F			
9.	Actual Volumetric Flow Rate: NOT APPLICABLE	acfm			

Emissions Unit 009 - 7

10. Percent Water Vapor: NOT APPLICABLE		%
11. Maximum Dry Standard Flow Rate: <b>NOT APPLICABLE</b> 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:		
Lime directed back into silo		

#### 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):			
General Process (emissions related to tons processed)			
· · · · · · · · · · · · · · · · · · ·	•		
2. Source Classification Code (SCC): 504002			
2. Source Classification Code (SCC). 30400.	201		
3. SCC Units: Tons Used	•		
4. Maximum Hourly Rate: NOT APPLICABLE	5. Maximum Annual Rate: NOT APPLICABLE		
6. Estimated Annual Activity Factor: 4050 TONS OF LIME			
,			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:		
NOT APPLICABLE	NOT APPLICABLE		
9. Million Btu per SCC Unit: NOT APPLICABLE			
10. Segment Comment:			
Collected fugitive lime directed back into silo			

Emissions Unit 009 - 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

	D. II The first of the f	_
1.	Pollutant Emitted: PM/PM <sub>10</sub>	
2.	Total Percent Efficiency of Control: 99 %	
3.	Primary Control Device Code: 018	
4.	Secondary Control Device Code:	
5.	Potential Emissions: 0.205 lb/hour 0.9 tons/year	
6.	Synthetically Limited? [ ] Yes [X] No	
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1	
8.	Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data	
9.	Emissions Method Code:	
	[]1 []2 []3 []4 [X]5	
10.	Calculation of Emissions:	
	$\frac{0.02 \ gr}{scf} \ x \ \frac{1195 \ scf}{min} \ x \ \frac{1 \ lb}{7000 \ gr} \ x \ 60 \ min \ hr \ = \ \frac{0.205 \ lb}{hr}$	
11.	Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit 009 - 10

# Allowable Emissions (Pollutant identified on front of page)

Α.	<u>NOT APPLICABLE</u>
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):
В.	
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.

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

1.	. Visible Emissions Subtype: VE			
2.	. Basis for Allowable Opacity:	[X] Rule	[ ] Other	
		[,	[ ] 0	
3.	. Requested Allowable Opacity:			
	Normal Conditions: 10 % Exce	eptional Conditions	S: NOT APPLICA	BLE %
	Maximum Period of Excess Opacity A	-		min/hour
	-1			
4.	. Method of Compliance:			
Vi	isual Observation			
5.	. Visible Emissions Comment:			
Ba	easis for $VE = Section 62-296.711 F.A.6$	C.		
	•			

Emissions Unit 009 - 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: Not Applicable						
2.	CMS Requirement:	[ ]	Rule		[ ]	Other	
3.	Monitor Information: Manufacturer: Model Number:			Serial	Num	ber:	
4.	Installation Date (DD-MON-YYYY):						
5.	Performance Specification Test Date (D	O-MO	N-YYYY	Y):			
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.

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.
[X] 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 009 - 14

## 2. Increment Consuming for Nitrogen Dioxide?

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

[ ] 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.

Increment Consu	ming/Expanding	Code:		
PM	[X] C	[ ]E	[ ] Unknown	
SO2	[ ]C	ĮĒ	[ ] Unknown	
NO2	į į C	į į̇̃Ε	[ ] Unknown	
Baseline Emissio	ns:			
PM		lb/hour	tons/year	
SO2		lb/hour	tons/year	
NO2			tons/year	
PSD Comment:				
	PM SO2 NO2 Baseline Emissio PM SO2 NO2	PM [X] C SO2 [] C NO2 [] C  Baseline Emissions: PM SO2 NO2	SO2 [ ] C [ ] E NO2 [ ] C [ ] E  Baseline Emissions:  PM   Ib/hour SO2   Ib/hour NO2	PM         [X] C         [] E         [] Unknown           SO2         [] C         [] E         [] Unknown           NO2         [] C         [] E         [] Unknown           Baseline Emissions:         PM         lb/hour         tons/year           SO2         lb/hour         tons/year           NO2         tons/year

#### I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit 009 - 15

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increment.

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

Process Flow Diagram     [X] Attached [] Not Applicable [] Waiver Requested     Document ID: Appendix C-7
2. Fuel Analysis or Specification  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-4
4. Description of Stack Sampling Facilities  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:  [ X ] Not Applicable
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:
7. Operation and Maintenance Plan [ ] Attached [ X ] Not Applicable Document ID:
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 009 - 16

Additional Supplemental Requirements for Category I Applications Unly
10. Alternative Methods of Operation
[ ] Attached [X] Not Applicable
Document ID:
11. Alternative Modes of Operation (Emissions Trading)
[ ] Attached [X] Not Applicable
Document ID:
12. Enhanced Monitoring Plan
[ ] Attached [X] Not Applicable
Document ID:
13. Identification of Additional Applicable Requirements
[ ] Attached [X] 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:
[X] 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.

## <u>Type of Emissions Unit Addressed in This Section</u> Check one:

[X] 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.

DEP Form No. 62-210.900(1) - Form May 6, 1996

Effective: 11-23-94

## **Emissions Unit Description and Status**

1.	Description of Emissions U	Init Addressed in This Section:			
Liı	me Storage Silo #2				
2	ARMS Identification Number	per: [X] No Corresponding ID [ ] Unknown			
۷.	Andrio identification rum	ter. [14] No corresponding ib			
3.	Emissions Unit Status Code: A	4. Acid Rain Unit?  [ ] Yes [X] No  5. Emissions Unit Major Group SIC Code: 49			
6.	Initial Startup Date (DD-M	ON-YYYY): November 15, 1989			
7.	. Long-term Reserve Shutdown Date (DD-MON-YYYY): Not Applicable				
8.	Package Unit: NOT APPI Manufacturer:	ICABLE  Model Number:			
9.	Generator Nameplate Ratin	g: NOT APPLICABLE MW			
10	Incinerator Information: N  Dwell Temperature:  Dwell Time:  Incinerator Afterburner Ter	°F seconds			
11.	Emissions Unit Comment:				

Emission Unit 010 - 2

# **Emissions Unit Control Equipment**

A.	
1.	Description: Dust Collector
2.	Control Device or Method Code: 018
В.	
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: NOT APPLICABLE	mmBtu/hr	
2.	Maximum Incineration Rate: NOT APPLICABLE	lb/hr	tons/day
3.	Maximum Process or Throughput Rate:		
No	t Applicable		
4.	Maximum Production Rate: NOT APPLICABLE		
5.	Operating Capacity Comment:		
Ту	pe P Discharge Section III C.5		

# **Emissions Unit Operating Schedule**

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

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.

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

NOT APPLICABLE	
_	

Emission Unit 010 - 5

<u>List of Applicable Regulations</u> (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**

_	AL LO L. OD L. DI DI DI						
l.	Identification of Point on Plot Plan or Flow Diagram:						
Dv	Dwg. 07187-016-096, G-1 & G-2 Appendix A-2						
2.	Emission Point Type Code:						
	[X] 1 [ ] 2 [ ] 3 [ ] 4						
	Descriptions of Emissions Points Comprising this Emissions Unit:						
	NOT APPLICABLE						
4.	ID Numbers or Descriptions of Emission Units with this Emission Point	nt in Common:					
	NOT APPLICABLE						
5.	Discharge Type Code:						
	[ ] D						
6.	Stack Height: NOT APPLICABLE	feet					
7.	Exit Diameter: NOT APPLICABLE	feet					
8	Exit Temperature:	Ambient °F					
٥.	with the production of the pro	· · · · · · · · · · · · · · · · · · ·					
9.	Actual Volumetric Flow Rate: NOT APPLICABLE	acfm					

Emission Unit 010 - 7

10. Percent Water Vapor:	NOT APPLICABLE	%
11. Maximum Dry Standa	rd Flow Rate: <b>NOT APPLI</b>	CABLE dscfm
12. Nonstack Emission Po	oint Height: NOT APPLICA	ABLE feet
13. Emission Point UTM	Coordinates:	
Zone: 17	East (km): 585.82	North (km): 2960.474
14. Emission Point Comm	ent:	
	-	
Lime directed back into s	silo	
·		

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):					
General Process (emissions related to tons processed)					
2. C	01				
2. Source Classification Code (SCC): <b>504002</b>	01				
3. SCC Units: Tons Used					
4. Maximum Hourly Rate: NOT APPLICABLE	5. Maximum Annual Rate: NOT APPLICABLE				
6. Estimated Annual Activity Factor: 4050 to	ns of lime				
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE				
9. Million Btu per SCC Unit: NOT APPLICABLE					
10. Segment Comment:					
Fugitive lime directed back into silo					

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

Emission Unit 010 - 10

Allowable Emissions (Pollutant identified on front of page)

A.	NOT APPLIC	<u>ABLE</u>	
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):
В.			
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.

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

1.	Visible Emissions Subtype: VE				
2.	Basis for Allowable Opacity: [X] Rule [] Other				
3.	Requested Allowable Opacity:  Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE %  Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour				
4.	Method of Compliance:				
Vi	sual Observation				
5.	Visible Emissions Comment:				
Ba	Basis for VE = Section 62-296.711 F.A.C.				

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: Not Applicable					
2.	CMS Requirement:	[	] Rule		[	] Other
3.	Monitor Information: Manufacturer: Model Number:			Serial 1	Nur	nber:
4.	Installation Date (DD-MON-YYYY):					
5.	Performance Specification Test Date (D	D-l	MON-YYY	Y):		
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. [X] 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

## 2. Increment Consuming for Nitrogen Dioxide?

			210111401						
emi	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.								
62- con	[ ] The facility addressed in this application is classified as an EPA major source oursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 52-213, 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 emissions unit	began initial o	peration after Feb	ssified as an EPA major source wary 8, 1988, but before Marc ons unit consumes increment.					
				vill begin) initial operation aft emissions unit consumes	er				
to d	zero. In such case	, additional ana changes in emis	lysis, beyond the ssions have occurr	nissions of the emissions unit cope of this application, is need ed (or will occur) after the					
3.	Increment Consum PM SO2 NO2	ming/Expandin [X] C [ ] C [ ] C	g Code: [ ] E [ ] E [ ] E	[ ] Unknown [ ] Unknown [ ] Unknown					
4.	Baseline Emissio PM SO2 NO2	ns:	lb/hour lb/hour	tons/year tons/year tons/year					
5.	PSD Comment:								

## I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emission Unit 010 - 15

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					
[X] Attached [] Waiver Requested  Document ID: Appendix C-7					
2. Fuel Analysis or Specification  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:					
3. Detailed Description of Control Equipment  [X] Attached [] Not Applicable [] Waiver Requested  Document ID: Appendix D-4					
<ol> <li>Description of Stack Sampling Facilities</li> <li>[ ] Attached [X] Not Applicable [ ] Waiver Requested</li> <li>Document ID:</li> </ol>					
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:  [ X ] Not Applicable					
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:					
7. Operation and Maintenance Plan  [ ] Attached [ X ] Not Applicable  Document ID:					
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:					
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:					

Emission Unit 010 - 16

#### 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

1	$\bigcap$	h	6	~	ŀ	Λ	n	۵	
ч		П			к.	4 1		_	

[X] 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 Description and Status**

1. Description of Emissions Unit Addressed in This Section: Chemical Storage Silo for Ash Treatment (Forrester System)					
2.	ARMS Identification Number	per: [X] No Corresponding l	ID [ ] Unknown		
3.	Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49		
6.	Initial Startup Date (DD-M	ON-YYYY): November 15, 19	289		
7.	Long-term Reserve Shutdo	wn Date (DD-MON-YYYY): N	ot Applicable		
8.	B. Package Unit: NOT APPLICABLE  Manufacturer: Model Number:				
9.	9. Generator Nameplate Rating: NOT APPLICABLE MW				
10.	Incinerator Information: N	OT APPLICABLE			
	Dwell Temperature:	°F			
Dwell Time: seconds Incinerator Afterburner Temperature :°F					
11. Emissions Unit Comment:					
Not used - ash conditioning not required for ash to pass EPTOX test					

Emissions Unit 011 - 2

## **Emissions Unit Control Equipment**

A.	
1.	Description: Dust Collector
2.	Control Device or Method Code: 018
В.	
1.	Description:
2.	Control Device or Method Code:
C.	
	Description:
2.	Control Device or Method Code:

Emissions Unit 011 - 3

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May 6, 1996

Emissions Unit Operating Capacity					
1.	Maximum Heat Input Rate: NOT APPLICABLE	mmBt	u/hr		
2.	Maximum Incineration Rate: NOT APPLICABLE	lb/hr	tons/day		
	. Maximum Process or Throughput Rate:				
Not	Not Applicable Type P Discharge Section III C.5				
4.	Maximum Production Rate: NOT APPLICABLE				
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.

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

NOT APPLICABLE		
	-	
		 _

Emissions Unit 011 - 5

<u>List of Applicable Regulations</u> (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**

	Identification of Point on Plot Plan or Flow Diagram:  g. 07187-016-096, G-1 & G-2 Appendix A-2
2.	Emission Point Type Code:  [X] 1 [ ] 2 [ ] 3 [ ] 4
	Descriptions of Emissions Points Comprising this Emissions Unit:  NOT APPLICABLE
	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  NOT APPLICABLE
5.	Discharge Type Code:  [ ] D
6.	Stack Height: feet Not Applicable, Section III C.6
7.	Exit Diameter: feet Not Applicable, Section III C.6
8.	Exit Temperature: Ambient °F
9.	Actual Volumetric Flow Rate: acfm Not Applicable, Section III C.6

Emissions Unit 011 - 7

10. Percent Water Vapor:	NOT APPLICABLE	%
11. Maximum Dry Standar	d Flow Rate: <b>NOT APPLIC</b>	ABLE dscfm
12. Nonstack Emission Poi	int Height: NOT APPLICAL	BLE feet
13. Emission Point UTM C		N. 1.4. N. 2050 454
Zone: 17	East (km): 585.82	North (km): <b>2960.474</b>
14. Emission Point Comme	ent:	
	-	

Emissions Unit 011 - 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): General Process (emissions related to tons processed).		
2 0 Classification Call (CCC) 504002	01	
2. Source Classification Code (SCC): <b>504002</b>	01	
a coordinate to the coordinate	<del></del>	
3. SCC Units: Tons Processed		
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	
Not Applicable	Not Applicable	
6. Estimated Annual Activity Factor: NOT A	PPLICABLE	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:	
NOT APPLICABLE	NOT APPLICABLE	
9. Million Btu per SCC Unit: NOT APPLICA	ABLE	
10. Segment Comment:		
No atmospheric discharge; closed baghouse system.		

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: PM/PM <sub>10</sub>	
2.	Total Percent Efficiency of Control:	99 %
3.	Primary Control Device Code: 018	
4.	Secondary Control Device Code:	
	Potential Emissions: lb/hour ot Applicable - Fugitive dust Section III E.5	tons/year
6.	Synthetically Limited? [ ] Yes [ X ] No	
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1	tons/year
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9.	Emissions Method Code:	
	[]1 []2 []3	[X] 5
10	. Calculation of Emissions:	
	$\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{XX \text{ scf}}{\min} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11.	Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit 011 - 10

# Emissions Unit Information Section <u>11</u> of <u>17</u>

# Allowable Emissions (Pollutant identified on front of page)

<u>A.</u>	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):
В.	
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.

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

1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [] Other
3.	Requested Allowable Opacity:  Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE %  Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour
4.	Method of Compliance:
Vi	sual Observation
5.	Visible Emissions Comment:
Ba	asis for VE = Section 62-296.711 F.A.C.

Emissions Unit 011 - 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: Not Applicable	
2.	CMS Requirement: [ ] Rule [ ] 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:	

Emissions Unit 011 - 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.

undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[X] 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

Emissions Unit 011 - 14

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baseline date that may consume or expand increment.

#### 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 Consu	ming/Expandi	ng Code:	<del></del>	
J.	PM SO2 NO2	[X] C [ ] C [ ] C	[ ] E [ ] E [ ] E	[ ] Unknown [ ] Unknown [ ] Unknown	
4.	Baseline Emissic PM SO2 NO2	ons:	lb/hour lb/hour	tons/year tons/year tons/year	
5.	PSD Comment:				

Emissions Unit 011 - 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

Process Flow Diagram     [X] Attached, [] Not Applicable [] Waiver Requested     Document ID: Appendix C-8
2. Fuel Analysis or Specification  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-5
<ol> <li>Description of Stack Sampling Facilities</li> <li>Attached [X] Not Applicable [] Waiver Requested</li> <li>Document ID:</li> </ol>
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:  [ X ] Not Applicable
<ul><li>6. Procedures for Startup and Shutdown</li><li>[ ] Attached [ X ] Not Applicable</li><li>Document ID:</li></ul>
7. Operation and Maintenance Plan  [ ] Attached [ X ] Not Applicable  Document ID:
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 011 - 16

# Emissions Unit Information Section 11 of 17

Additional Supplemental Requirements for Category 1 Applications Univ
10. Alternative Methods of Operation
[ ] Attached [ X ] Not Applicable
Document ID:
11. Alternative Modes of Operation (Emissions Trading)
[ ] Attached [ X ] Not Applicable
Document ID:
12. Enhanced Monitoring Plan
[ ] Attached [X] Not Applicable
Document ID:
13. Identification of Additional Applicable Requirements
[ ] Attached [ X ] 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:
[X] Not Applicable
[A] 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:

# [X] 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

[ ] 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

production unit, or activity, which also has other individually-regulated emission points.

[ ] Th	is Emissions	Unit Inform	ation Secti	ion addresses	, as a singl	e emission	s unit,	one
or more	process or pr	oduction un	its and act	ivities which	produce fi	ugitive emi	issions	only

Emissions Unit 012 - 1

# Emissions Unit Information Section 12 of 17

# **Emissions Unit Description and Status**

1. Descr	iption of Emissions U	Jnit Addressed in This Section:			
Ash Loa	Ash Load Out Building				
ASH LUA	Out Dunding				
2. ARM	S Identification Num	ber: [X] No Corresponding I	[D [ ] Unknown		
3. Emiss Code:	ions Unit Status	4. Acid Rain Unit?  [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49		
Couc.	A	[ ] ICS [A] ICO	Group Sie code. 49		
6. Initial	Startup Date (DD-M	ON-YYYY): November 15, 19	89		
7 Long-	term Reserve Shutdo	wn Date (DD-MON-YYYY): N	Not Applicable		
7. Bong	torm resorve shatao		vot rippineasie		
	ge Unit: NOT APPI		1		
Manu	facturer:	Model Nur	mber:		
9. Gener	ator Nameplate Ratir	ng: NOT APPLICABLE MY	V		
10.7.		COM A PRIVACA PARA			
	rator Information: N Temperature:	°F			
Dwell	Time:	seconds			
Incinerator Afterburner Temperature :°F					
11. Emiss	ions Unit Comment:				

Emissions Unit 012 - 2

# **Emissions Unit Control Equipment**

A.	
1.	Description: Dust Collector
2.	Control Device or Method Code: 018
В.	
1.	Description:
2.	Control Device or Method Code:
C.	· .
	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: NOT APPLICABLE	mmBtu/hr				
2.	Maximum Incineration Rate: NOT APPLICABLE	lb/hr	tons/day			
	Maximum Process or Throughput Rate:					
No	Not Applicable - Type P Discharge - Section III C.5					
4.	Maximum Production Rate: NOT APPLICABLE					
5.	Operating Capacity Comment:					

# **Emissions Unit Operating Schedule**

ays/week
60 hours/year
ó

#### **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.

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

NOT APPLICABLE	-	
<u>_</u>		

Emissions Unit 012 - 5

# Emissions Unit Information Section 12 of 17

<u>List of Applicable Regulations</u> (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**

	Identification of Point on Plot Plan or Flow Diagram: vg: 07187-016-096, G-1 & G-2 Appendix A-2
2.	Emission Point Type Code: [X] 1 [] 2 [] 3 [] 4
	Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE
	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  NOT APPLICABLE
5.	Discharge Type Code:  [ ] D
6.	Stack Height: feet Not Applicable Section III C.6
7.	Exit Diameter: feet Not Applicable Section III C.6
8.	Exit Temperature: Ambient °F
9.	Actual Volumetric Flow Rate: acfm Not Applicable Section III C.6

Emissions Unit 012 - 7

# Emissions Unit Information Section 12 of 17

10.	Percent Water Vapor: NOT APPLICABLE	%
11.	Maximum Dry Standard Flow Rate: NOT APPLICABLE	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:	

# 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 an	d Associated Operating Method/Mode):	
General Process (emissions related to tons pr	rocessed)	
2 Sauras Classification Code (SCC): 504002	01	
2. Source Classification Code (SCC): <b>504002</b>	VI	
3. SCC Units: Tons Processed		
4. Maximum Hourly Rate: 32 TPH Transferred	5. Maximum Annual Rate: 280,320 TPY Transferred	
6. Estimated Annual Activity Factor: NOT APPLICABLE		
•		
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE	
9. Million Btu per SCC Unit: NOT APPLICA	ABLE	
10. Segment Comment:		

Emissions Unit 012 - 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:	PM/PM <sub>10</sub>		5	<del>-</del>
2.	Total Percent Effic	eiency of Co	ontrol:		99 %
3.	Primary Control De	evice Code	e: <b>018</b>		
4.	Secondary Control	Device Co	de:	-	
	Potential Emission t Applicable - Fugi	- '	lb/hour Section III E.5		tons/year
6.	Synthetically Limit [ ] Yes				
7.	Range of Estimated	_	Other Emissions: [ ] 3	to _	tons/year
8.	Emission Factor: C Reference: E	~	g estimates and ven	dor data.	
9.	Emissions Method	Code:			
	[]1	[]2	[]3	[]4	[X] 5
10.	Calculation of Emi	ssions:			
	<u>0.</u>	$\frac{02 \text{ gr}}{\text{scf}} \times \frac{\lambda}{2}$	$\frac{(X scf)}{\min} \times \frac{1 lb}{7000 gr} \times$	60 min hr	
11.	Pollutant Potential	Estimated/	Emissions Commen	t:	

Emissions Unit 012 - 10

# 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):
В.	
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 012 - 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.

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

1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [ ] Other
3.	Requested Allowable Opacity:  Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE %  Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour
4.	Method of Compliance:
Vis	sual Observation
5.	Visible Emissions Comment:
Ba	sis for VE = Section 62-296.711 F.A.C.

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: Not Applicable	
2.	. CMS Requirement:	Rule [ ] Other
3.	. Monitor Information: Manufacturer: Model Number:	Serial Number:
4.	. Installation Date (DD-MON-YYYY):	
5.	. Performance Specification Test Date (DD-MO)	N-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.
[X] 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.

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:

3.	. Increment Consuming/Expanding Code:						
		X ] C ] C ] C	[ ]E [ ]E [ ]E	[ ] Unknown [ ] Unknown [ ] Unknown			
4.	Baseline Emissions: PM SO2 NO2		lb/hour lb/hour	tons/year tons/year tons/year			
5.	PSD Comment:						

Emissions Unit 012 - 15

#### Emissions Unit Information Section 12 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

Process Flow Diagram     [X] Attached, [] Not Applicable [] Waiver Requested     Document ID: Appendix C-9
2. Fuel Analysis or Specification  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-3
4. Description of Stack Sampling Facilities  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:  [ X ] Not Applicable
Procedures for Startup and Shutdown     [ ] Attached [ X ] Not Applicable     Document ID:
7. Operation and Maintenance Plan  [ ] Attached [ X ] Not Applicable  Document ID:
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 012 - 16

# Emissions Unit Information Section <u>12</u> of <u>17</u>

Additional Supplemental Requirements for Category I Applications Only				
10. Alternative Methods of Operation  [ ] Attached [ X ] Not Applicable				
Document ID:				
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable				
Document ID:				
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable				
Document ID:				
13. Identification of Additional Applicable Requirements				
[ ] Attached [ X ] 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:				
[X] 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:

[X] 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.

[	] Thi	s Emission	s Unit Info	rmation	Section a	ddresses,	as a sin	gle emiss	sions unit,	one
or r	nore	process or	production	units an	d activitie	s which	produce	fugitive	emissions	only.

Emissions Unit 013 - 1

# Emissions Unit Information Section 13 of 17

# **Emissions Unit Description and Status**

1.	Description of Emissions Unit Addressed in This Section:				
RE	RDF Storage				
2.	ARMS Identification Numb	er: [X] No (	Corresponding II	O [ ] Unknown	
3.	Emissions Unit Status Code: A	4. Acid Rain U	Jnit? X ] No	5. Emissions Unit Major Group SIC Code: 49	
		[ ] - 00 [	] 1,0	oroup one count to	
6.	Initial Startup Date (DD-M	ON-YYYY): No	vember 15, 198	39	
7.	Long-term Reserve Shutdov	wn Date (DD-MO	ON-YYYY): No	ot Applicable	
8.	Package Unit: NOT APPL	ICABLE		,	
	Manufacturer:		Model Num	nber:	
9.	Generator Nameplate Ratin	g: NOT APPLI	CABLE MW	7	
10	Incinerator Information: No	OT APPLICAR	L.E.	•	
10.	Dwell Temperature:	°F			
	Dwell Time: Incinerator Afterburner Ten	seconds			
	memorator reterourner ren	iperature . I			
11.	Emissions Unit Comment:				

Emissions Unit 013 - 2

# **Emissions Unit Control Equipment**

A.	
1.	Description:
Du	ast Collector
	<u> </u>
2.	Control Device or Method Code: 018
В.	
1.	Description:
2.	Control Device or Method Code:
~	
C.	
1.	Description:
2.	Control Device or Method Code:

Emissions Unit 013 - 3

# Emissions Unit Information Section 13 of 17

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NOT APPLICABLE mmBtu/hr

2. Maximum Incineration Rate: NOT APPLICABLE lb/hr tons/day

3. Maximum Process or Throughput Rate:

195 TPH of RDF

4. Maximum Production Rate: NOT APPLICABLE

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 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.

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

NOT APPLICABLE			

Emissions Unit 013 - 5

# Emissions Unit Information Section 13 of 17

<u>List of Applicable Regulations</u> (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**

Identification of Point on Plot Plan or Flow Diagram Owg: 07187-016-096, G-1 & G-2 Appendix A-2
Emission Point Type Code: [X] 1 [] 2 [] 3 [] 4
. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE
. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE
. Discharge Type Code:  [ ] D
. Stack Height: 80 feet
. Exit Diameter: 19.25" feet
Exit Temperature: Ambient °F
. Actual Volumetric Flow Rate: 28,000 acfm

Emissions Unit 013 - 7

# Emissions Unit Information Section 13 of 17

10.	Percent Water Vapor: NOT APPLICABLE	%
11.	Maximum Dry Standard Flow Rate: NOT APPLICABLE	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:	

# 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):	
General Process (emissions related to tons processed).		
2. Source Classification Code (SCC): 50400	)201	
3. SCC Units: Tons Handled		
4. Maximum Hourly Rate: NOT APPLICABLE	5. Maximum Annual Rate: NOT APPLICABLE	
6. Estimated Annual Activity Factor: 518,000 Tons handled		
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE	
9. Million Btu per SCC Unit: NOT APPLI	CABLE	
10. Segment Comment:		

Emissions Unit 013 - 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	i: <b>PM/PM</b> <sub>10</sub>			
2.	Total Percent Eff	Ticiency of Contr	rol:		99 %
3.	Primary Control	Device Code: 0	18		
4.	Secondary Contro	ol Device Code:			
5.	Potential Emission	ons:	<b>19.83</b> lb/	hour	86.87 tons/year
6.	Synthetically Lin [ ] Yes				
7.	Range of Estimat	_		to	tons/year
8.	Emission Factor: Reference:	_	timates and ven	dor data	
9.	Emissions Metho		[]3	[]4	[ <b>X</b> ] 5
10.	. Calculation of Er	nissions:			
		$\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{115,}{}$	$\frac{693.8 \ scf}{\min} \ x \ \frac{110}{7000}$	$\frac{b}{gr} \times \frac{60 \text{ min}}{hr} = 1$	.9.83 <i>lb   hour</i>
11.	. Pollutant Potenti	al/Estimated Em	issions Commen	i:	

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):
В.	
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.

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

	771 11 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1.	Visible Emissions Subtype: VE
2.	Basis for Allowable Opacity: [X] Rule [] Other
3.	Requested Allowable Opacity:
	Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE %
	Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour
4.	Method of Compliance:
,,	
Vis	sual Observation
5.	Visible Emissions Comment:
Ba	sis for $VE = Section 62-296.711 F.A.C.$

Emissions Unit 013 - 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: Not Applicable
2.	CMS Requirement: [ ] Rule [ ] 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:

Emissions Unit 013 - 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.

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.
[X] 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 013 - 14

# 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/Ex	panding Code:		
	PM [X] 0 SO2 [] 0 NO2 [] 0	[ ] E [ ] E	[ ] Unknown [ ] Unknown [ ] Unknown	
4.	Baseline Emissions: PM SO2 NO2	lb/hour lb/hour	tons/year tons/year tons/year	
5.	PSD Comment:			

Emissions Unit 013 - 15

DEP Form No. 62-210.900(1) - Form Effective: 11-23-94

May 6, 1996

#### 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

Process Flow Diagram     [X] Attached [] Not Applicable [] Waiver Requested     Document ID: Appendix C-9
2. Fuel Analysis or Specification [] Attached [X] Not Applicable [] Waiver Requested Document ID:
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Construction Agreement, Schedule A, Section 2.1.16, Appendix D-7
4. Description of Stack Sampling Facilities  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:  [ X ] Not Applicable
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:
7. Operation and Maintenance Plan  [ ] Attached [ X ] Not Applicable  Document ID:
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 013 - 16

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

May 6, 1996

Additional Supplemental Requirements for Category 1 Applications Univ
10. Alternative Methods of Operation
[ ] Attached [ X ] Not Applicable  Document ID:
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable  Document ID:
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements  [ ] Attached [ X ] 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:
[X] 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:

[X] 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 Description and Status**

1. Description of Emissions Unit Addressed in This Section:			
Materials Recycling Facility			
2. ARMS Identification Number: [X] No Corresponding ID [] Unknown			
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49	
6. Initial Startup Date (DD-Mo	ON-YYYY): November 15, 19	89	
7. Long-term Reserve Shutdov	wn Date (DD-MON-YYYY): N	ot Applicable	
8. Package Unit: NOT APPLICABLE  Manufacturer: Model Number:			
9. Generator Nameplate Rating	g: <b>NOT APPLICABLE</b> MV	V	
10. Incinerator Information: No Dwell Temperature:	OT APPLICABLE °F		
Dwell Time:	seconds		
Incinerator Afterburner Temperature :°F			
11. Emissions Unit Comment:			

Emissions Unit 014 - 2

# **Emissions Unit Control Equipment**

A.	
1.	Description:
Du	ist Collector
2.	Control Device or Method Code: 018
В.	
1.	Description:
2	Control Device or Method Code:
۷.	Control Device of Method Code.
	<del> </del>
<b>C</b> .	
1.	Description:
2.	Control Device or Method Code:

Emissions Unit 014 - 3

Emissions Unit Operating Capacity			
1. Maximum Heat Input Rate: NOT APPLICABLE	mmBtu/hr		
2. Maximum Incineration Rate: NOT APPLICABLE	lb/hr tons/day		
3. Maximum Process or Throughput Rate:			
Comingled Recyclable Line = 6 tons/hr Mixed Paper Line = 23 tons/hr			
4. Maximum Production Rate: NOT APPLICABLE			
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 014 - 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.

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

NOT APPLICABLE			
• .			

Emissions Unit 014 - 5

<u>List of Applicable Regulations</u> (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:  Dwg: 07187-016-096, G-1 & G-2 Appendix A-2				
2.	Emission Point Type Code: [X] 1 [ ] 2 [ ] 3 [ ] 4			
	Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE			
	ID Numbers or Descriptions of Emission Units with this Emission Poin NOT APPLICABLE	nt in Common:		
5.	Discharge Type Code:  [ ] D			
6.	Stack Height: NOT APPLICABLE	feet		
7.	Exit Diameter: NOT APPLICABLE	feet		
8.	Exit Temperature:	Ambient °F		
9.	Actual Volumetric Flow Rate:	8,000 acfm		

Emissions Unit 014 - 7

10. Percent Water Vapor	T: NOT APPLICABLE	%
11. Maximum Dry Stand	dard Flow Rate: NOT APPLI	CABLE dscfm
12. Nonstack Emission I	Point Height: NOT APPLICA	ABLE feet
13. Emission Point UTM	1 Coordinates:	
Zone: 17	East (km): 585.82	North (km): 2960.474
14. Emission Point Com	ment:	

#### 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.	1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):			
Ge	General process (emissions related to tons processed).			
	Source Classification Code (SCC): 5040020			
۷.	Source Classification Code (SCC). 3040020	J1		
3.	SCC Units: Tons Processed			
1	Maximum Hourly Rate:	5. Maximum Annual Rate:		
₩.	wiaximum flourly Rate.	J. Maximum Amidal Rate.		
6.	Estimated Annual Activity Factor: NOT Al	PPLICABLE		
7.	Maximum Percent Sulfur:	8. Maximum Percent Ash:		
	NOT APPLICABLE	NOT APPLICABLE		
9.	Million Btu per SCC Unit: NOT APPLICA	ABLE		
10.	Segment Comment:			

Emissions Unit 014 - 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: PM/PM	110		
2.	Total Percent Efficiency of	Control:		99 %
3.	Primary Control Device Co	ode: 018		
4.	Secondary Control Device	Code:		
5.	Potential Emissions:	<b>1.37</b> lb	/hour	6.0 tons/year
6.	Synthetically Limited? [ ] Yes [ X ] No	)		
7.	Range of Estimated Fugitiv		to	tons/year
8.	Emission Factor: <b>0.02 gr/s</b> Reference: Engineer		endor data.	
9.	Emissions Method Code:			
	[]1 []2	[]3	[]4	[X] 5
10.	Calculation of Emissions:	· <del>-</del> -		
$\frac{0.02  gr}{scf}  x  \frac{8000  scf}{\min}  x  \frac{1  lb}{7000  gr}  x  \frac{60  \min}{hr}  =  \frac{1.37  lb}{hr}$				
11. Pollutant Potential/Estimated Emissions Comment:				

Emissions Unit 014 - 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):
В.	
1.	Basis for Allowable Emissions Code:
2.	Future Effective Date of Allowable Emissions:
3.	Requested Allowable Emissions and Units:
4.	Equivalent Allowable Emissions: 1b/hr tons/year
5.	Method of Compliance:
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

Emissions Unit 014 - 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.

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

1.	Visible Emissions Subtype: VE			
2.	Basis for Allowable Opacity: [X] Rule [ ] Other			
3.	Requested Allowable Opacity: Normal Conditions: 10 % Exceptional Conditions: NOT APPLICABLE % Maximum Period of Excess Opacity Allowed: NOT APPLICABLE min/hour			
4.	Method of Compliance:			
Vis	sual Observation			
5.	5. Visible Emissions Comment:			
Ba	sis for VE = Section 62-296.711 F.A.C.			

Emissions Unit 014 - 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.	1. Parameter Code: Not Applicable	
2.	2. CMS Requirement: [ ] Rule	e [ ] Other
3.	3. Monitor Information:  Manufacturer:  Model Number:	Serial Number:
4.	4. Installation Date (DD-MON-YYYY):	
5.	5. Performance Specification Test Date (DD-MON-Y	YYY):
6.	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.

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.
[X] 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

Emissions Unit 014 - 14

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baseline date that may consume or expand increment.

# 2. Increment Consuming for Nitrogen Dioxide?

baseline date that may consume or expand increment.

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

3.		_	[ ] Unknown [ ] Unknown [ ] Unknown	
4.	Baseline Emissions: PM SO2 NO2	lb/hour lb/hour	tons/year tons/year tons/year	
5.	PSD Comment:			

Emissions Unit 014 - 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

Process Flow Diagram     [X] Attached [] Not Applicable [] Waiver Requested  Document ID: Appendix C-10
2. Fuel Analysis or Specification  [ ] Attached [X] Not Applicable [ ] Waiver Requested  Document ID:
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-8
4. Description of Stack Sampling Facilities  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:
[X] Not Applicable
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:
7. Operation and Maintenance Plan  [ ] Attached [ X ] Not Applicable  Document ID:
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 014 - 16

Additional Supplemental Requirements for Category I Applications Only 10. Alternative Methods of Operation [ ] Attached [ X ] Not Applicable Document ID: \_\_\_\_\_ 11. Alternative Modes of Operation (Emissions Trading) [ ] Attached [ X ] Not Applicable Document ID: 12. Enhanced Monitoring Plan [ ] Attached [X] Not Applicable Document ID:\_\_\_\_ 13. Identification of Additional Applicable Requirements [ ] Attached [ X ] 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:\_\_\_\_\_ [X] 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:
[X] 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

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# **Emissions Unit Description and Status**

1.	Description of Emissions Un	t Addressed in Th	nis Section:		
Au	Auto Spray Booth				
2.	ARMS Identification Numbe	r: [X] No Cor	responding ID	[ ] Unknown	
3.	I	Acid Rain Uni		Emissions Unit Major	
	Code: A	[ ] Yes [X	J NO	Group SIC Code: 49	
6.	Initial Startup Date (DD-MO	N-YYYY): Nove	mber 15, 1989		
7.	Long-term Reserve Shutdown	Date (DD-MON	-YYYY): Not A	Applicable	
8.	Package Unit: NOT APPLI	CABLE	Madal Niverba		
	Manufacturer:		Model Numbe	r.	
9.	Generator Nameplate Rating:	NOT APPLICA	ABLE MW		
10.	Incinerator Information: NO			<u> </u>	
	Dwell Temperature: Dwell Time:	°F seconds			
	Incinerator Afterburner Temp				
1 1	Emissions Unit Comment:				
11.	Emissions Unit Comment:				

Emissions Unit 015 - 2

# **Emissions Unit Control Equipment**

A.	
	Description: NOT APPLICABLE
2.	Control Device or Method Code:
В.	
	Description:  Control Device or Method Code:
۷.	Control Device of Method Code.
C.	
1.	Description:
2.	Control Device or Method Code:

Emissions Unit 015 - 3

Rate: NOT APPLICABLE mmBtu/hr	
lb/hr	tons/day

## **Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:								
	* hours/day	7 days/week						
	52 weeks/year	520 hours/year						

Emissions Unit 015 - 4

<sup>\*</sup> Operating Time is 10 hrs/wk

### **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.

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

NOT APPLICABLE	

Emissions Unit 015 - 5

<u>List of Applicable Regulations</u> (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
62-213 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:  Dwg: 07187-016-096, G-1 & G-2 Appendix A-2						
2.	Emission Point Type Code: [X] 1 [ ] 2 [ ] 3 [ ] 4						
	Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE						
	ID Numbers or Descriptions of Emission Units with this Emission Poi NOT APPLICABLE	nt in Common:					
	Discharge Type Code:  [ ] D						
6.	Stack Height:	25 feet					
7.	Exit Diameter:	4 feet					
8.	Exit Temperature:	Ambient °F					
9.	Actual Volumetric Flow Rate:	27,000 acfm					

Emissions Unit 015 - 7

# Emissions Unit Information Section <u>15</u> of <u>17</u>

10. Percent Water Vapor	r: NOT APPLICABLE	%	
11. Maximum Dry Stand	dard Flow Rate: NOT APPLI	CABLE dscfm	
12. Nonstack Emission	Point Height: NOT APPLICA	ABLE feet	
13. Emission Point UTN	1 Coordinates:		
Zone: 17	East (km): 585.82	North (km): 2960.474	
14. Emission Point Com	ment:		

### 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):						
Coating Operation (tons of solvent in coating	g) <b>.</b>					
2. Source Classification Code (SCC): 402016	i99					
3. SCC Units: Tons of Solvent						
4. Maximum Hourly Rate: 1.48 x 10 <sup>-3</sup>	5. Maximum Annual Rate: 0.77					
6. Estimated Annual Activity Factor: NOT A	PPLICABLE					
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE					
9. Million Btu per SCC Unit: NOT APPLIC	ABLE					
10. Segment Comment:						

Emissions Unit 015 - 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	d: VOC					
2.	2. Total Percent Efficiency of Control: NOT APPLICABLE %						
3.	B. Primary Control Device Code: NOT APPLICABLE						
4.	Secondary Contro	ol Device Code:	NOT APPLICAE	BLE			
5.	Potential Emission	ons:	<b>2.96</b> lb/hor	ur	0.80 tons/year		
6.	Synthetically Lin	nited?					
,	[ ] Yes				_		
7.	Range of Estimat	ted Fugitive/Oth	er Emissions:				
	[ ] 1	•		to	tons/year		
8.	<b>Emission Factor:</b>	4.17 lb/gallon					
	Reference:	Vendor data o	n paints				
			_				
9.	Emissions Metho	od Code:					
,	[]1		[]3	[]4	[]5		
	. ,		L J	. ,			
10	Calculation of Er	missions: See A	nnendiy F-2				
10.	Calculation of El	missions. See A	ppendix 1-2.				
11.	Pollutant Potentia	al/Estimated Em	issions Comment:				

Emissions Unit 015 - 10

Allowable Emissions (Pollutant identified on front of page)

A.	NOT APPLICA	ABLE	
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 Operatin	g Method/Mode):
В.			
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 Operatin	g Method/Mode):

Emissions Unit 015 - 11

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May 6, 1996

#### 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: Not Applicable					
2.	Basis for Allowable Opacity:		[ ] Rule	[	] Other	
3.	Requested Allowable Opacity: Normal Conditions:  Maximum Period of Excess Opacit	% ty Allo	Exceptional Corowed:	nditions:		% min/hour
4.	Method of Compliance:					
5.	Visible Emissions Comment:					

Emissions Unit 015 - 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: Not Applicable					
2.	CMS Requirement:	[	] Rule		[	] Other
3.	Monitor Information:					
	Manufacturer:					
	Model Number:			Serial	Nur	nber:
4.	Installation Date (DD-MON-YYYY):					
5.	Performance Specification Test Date (D	D-N	MON-YYY	Y):		
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 015 - 14

# Emissions Unit Information Section <u>15</u> of <u>17</u>

2.	Increment Consum	ing fo	r Nitrogen D	ioxi	de?	NOT A	PP	LICABLE	
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 Consur			ode:					
	PM SO2		C	[	] E ] E		[	] Unknown ] Unknown	
	NO2	[ ]	C	[	] E		[	] Unknown	
4.	Baseline Emission	ns:	<del></del>						
	PM				our			tons/year	
]	SO2 NO2			Ib/ł	nour			tons/year tons/year	
5.	PSD Comment:							-	

Emissions Unit 015 - 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

Process Flow Diagram     [X] Attached [] Not Applicable [] Waiver Requested     Document ID: Appendix C-11
2. Fuel Analysis or Specification  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-9
4. Description of Stack Sampling Facilities  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
5. Compliance Test Report  [ ] Attached, Document ID:
[ ] Previously submitted, Date:
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:
7. Operation and Maintenance Plan  [ ] Attached [ X ] Not Applicable  Document ID:
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable
Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 015 - 16

Additional Supplemental Requirements for Category I Applications Only
10. Alternative Methods of Operation [ ] Attached [ X ] Not Applicable
Document ID:
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable  Document ID:
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements  [ ] Attached [X] Not Applicable  Document ID:
<ul> <li>14. Acid Rain Application (Hard-copy Required)</li> <li>[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:</li></ul>
[X] 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.

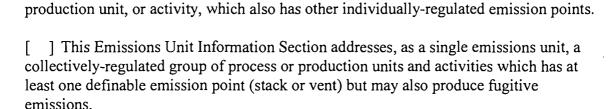
#### A. GENERAL EMISSIONS UNIT INFORMATION

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:

[X] 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

[ ]	] T	his Emissic	ns Unit I	nformatio	on Sectio	n addr	esses,	as a sir	ngle em	issions	unit,	one	OI
mo	re	process or	production	on units a	nd activi	ties wh	hich pr	roduce	fugitive	emissi	ons o	nly.	

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

1.	Description of Emissions Unit Addressed in This Section:						
Co	Composting Bays						
2.	ARMS Identification Number	er: [X] No Corresponding II	D [ ] Unknown				
3.		4. Acid Rain Unit?	5. Emissions Unit Major				
	Code: A	[ ] Yes [X] No	Group SIC Code: 49				
6.	Initial Startup Date (DD-MO	N-YYYY): November 15, 198	89				
7.	Long-term Reserve Shutdow	n Date (DD-MON-YYYY): No	ot Applicable				
8.	Package Unit: <b>NOT APPLI</b> Manufacturer:	CABLE Model Nun	nber:				
		NOT ADDITION OF A DISTRICT	,				
9.	Generator Nameplate Rating	: NOT APPLICABLE MW	V				
10.	10. Incinerator Information: NOT APPLICABLE						
	Dwell Temperature: °F Dwell Time: seconds						
Incinerator Afterburner Temperature :°F							
11. Emissions Unit Comment:							

Emissions Unit 016 - 2

## **Emissions Unit Control Equipment**

A.	
1.	Description: Biofilter Beds
2.	Control Device or Method Code: 099
В.	
1.	Description:
2.	Control Device or Method Code:
C.	
	Description:  Control Device or Method Code:

Emissions Unit 016 - 3

**Emissions Unit Operating Capacity** 

Emissions Unit Operating Capacity		
1. Maximum Heat Input Rate: NOT APPLICABLE	mmBt	u/hr
2. Maximum Incineration Rate: NOT APPLICABLE	lb/hr	tons/dox
2. Maximum incineration Rate. NOT AFFLICABLE	10/111	tons/day
3. Maximum Process or Throughput Rate: 110,000 tons/yr*		
4. Maximum Production Rate: NOT APPLICABLE		
5. Operating Capacity Comment:		
* Amount of yard waste and sewage sludge composted.		
		-

#### **Emissions Unit Operating Schedule**

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

Emissions Unit 016 - 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.

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

NOT APPLICABLE			
	•		

<u>List of Applicable Regulations</u> (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
62-213 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:  Dwg: 07187-016-096, G-1 & G-2 Appendix A-2					
2.	Emission Point Type Code:					
	[ ] 1					
3.	Descriptions of Emissions Points Comprising this Emissions Unit: I	Biofilter Beds				
4.	ID Numbers or Descriptions of Emission Units with this Emission Ponot Applicable	oint in Common:				
5.	Discharge Type Code:					
	[ ] D					
6.	Stack Height: NOT APPLICABLE	feet				
7.	Exit Diameter: NOT APPLICABLE	feet				
8.	Exit Temperature:	Ambient °F				
9.	Actual Volumetric Flow Rate:	147,000 acfm				

Emissions Unit 016 - 7

10. Percent Water Vapor: NOT APPLICABLE	%
11. Maximum Dry Standard Flow Rate: NOT APPLICA	ABLE dscfm
12. Nonstack Emission Point Height:	Ground Level feet
13. Emission Point UTM Coordinates: Zone:17 East (km): 585.82	North (km): 2960.474
14. Emission Point Comment:	
Composting Bed Area = 12,000 sq.ft.	

#### 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 an	d Associated Operating Method/Mode):	
N(	OT AVAILABLE		
2.	Source Classification Code (SCC): NOT A	VAILABLE	
3	SCC Units: NOT AVAILABLE		
٥.	· · · · · · · · · · · · · · · · · · ·		
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:	
	NOT APPLICABLE	NOT APPLICABLE	
6.	Estimated Annual Activity Factor: NOT Al	PPLICABLE	
7.	Maximum Percent Sulfur:	8. Maximum Percent Ash:	
	NOT APPLICABLE	NOT APPLICABLE	
9.	Million Btu per SCC Unit: NOT APPLICA	ABLE	
10	. Segment Comment:		

Emissions Unit 016 - 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: VOC
2.	Total Percent Efficiency of Control: 90 %
3.	Primary Control Device Code: 099
4.	Secondary Control Device Code:
5.	Potential Emissions: 7.53 lb/hour 33.0 tons/year
6.	Synthetically Limited?
	[ ] Yes [X] No
7.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1 [ ] 2 [ ] 3 to tons/year
8.	Emission Factor: See Appendix F-3 Reference:
9.	Emissions Method Code:
	[]1 [X]2 []3 []4 []5
10.	Calculation of Emissions: See Appendix F-3
11.	Pollutant Potential/Estimated Emissions Comment:

Emissions Unit 016 - 10

Allowable Emissions (Pollutant identified on front of page)

A.	NOT APPLIC	ABLE	
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 Operatin	g Method/Mode):
В.			
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 Operatin	g 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 Cubtrus N	o+ A ==1	aabla			
1.	Visible Emissions Subtype: No.	ու Appn	cable			
2.	Basis for Allowable Opacity:		[ ] Rule	[	] Other	
3.	Requested Allowable Opacity:					
	Normal Conditions:	%	Exceptional Co	onditions:		%
	Maximum Period of Excess Op		-			min/hour
	•	,				
1	Method of Compliance:					
7.	Method of Comphanee.					
	W. III D					
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: Not Applicable			
2.	CMS Requirement:	[	] Rule	[ ] Other
3.	Monitor Information: Manufacturer: Model Number:			Serial Number:
4.	Installation Date (DD-MON-YYYY):			
5.	Performance Specification Test Date (D	D-1	MON-YYY	Y):
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 016 - 14

DEP Form No. 62-210.900(1) - Form May 6, 1996

Effective: 11-23-94

#### 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.

[1] The emissions unit addressed in this section is undergoing PSD review as part

of this application, or has undergone PSD review previously, for nitrogen cemissions unit consumes increment.	
[ ] The facility addressed in this application is classified as an EPA roursuant to paragraph (c) of the definition of "major source of air pollution 52-213, F.A.C., and the emissions unit addressed in this section commence commence) construction after February 8, 1988. If so, baseline emissions emissions unit consumes increment.	n" in Chapter ed (or will

[ ] ]	The facility addressed in this application is classified as an EPA major source	ce,
and the en	nissions unit began initial operation after February 8, 1988, but before Marc	١h
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 Consumi PM [ SO2 [ NO2 [	ng/Expanding Cod ] C [ ] C [ ] C [	e: ] E ] E ] E	[ ] Unknown [ ] Unknown [ ] Unknown
4.	Baseline Emissions PM SO2 NO2	11	b/hour b/hour	tons/year tons/year 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  [X] Attached [] Not Applicable [] Waiver Requested  Document ID: Appendix C-12
<ol> <li>Fuel Analysis or Specification</li> <li>[ ] Attached [X] Not Applicable [ ] Waiver Requested</li> <li>Document ID:</li></ol>
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-10
<ol> <li>Description of Stack Sampling Facilities</li> <li>[ ] Attached [X] Not Applicable [ ] Waiver Requested</li> <li>Document ID:</li> </ol>
5. Compliance Test Report  [ ] Attached, Document ID:
[ ] Previously submitted, Date: [ X ] Not Applicable
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:
7. Operation and Maintenance Plan  [X] Attached [] Not Applicable  Document ID: Appendix E-4
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

Emissions Unit 016 - 16

Additional Supplemental Requirements for Category 1 Applications Only
10. Alternative Methods of Operation
[ ] Attached [ X ] Not Applicable  Document ID:
Il. Alternative Modes of Operation (Emissions Trading)     [] Attached [X] Not Applicable     Document ID:
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements  [ ] Attached [ X ] 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:
[X] 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:
[X] 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 mor process or production units and activities which produce fugitive emissions only.

Emissions Unit 017 - 1

DEP From No. 62-210.900 (1) - Form May 6, 1996

Effective: 11-23-94

## **Emissions Unit Description and Status**

1.	Description of Emissions Unit Addressed in This Section:					
Lan	Landfill					
	1 D 10 11 10 11 11 1					
2	ARMS Identification Numb	eer: [X] No Corresponding II	D [ ] Unknown			
	Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major			
•	Code: A	[ ] Yes [X] No	Group SIC Code: 49			
6.	Initial Startup Date (DD-Mo	ON-YYYY): August, 1989				
7.	Long-term Reserve Shutdov	wn Date (DD-MON-YYYY): No	ot Applicable			
	Dong term record to shares					
	Package Unit: NOT APPL Manufacturer:	ICABLE Model Nun	nher:			
,	vianuracturer.	iviodel i van	noor.			
9.	Generator Nameplate Ratin	g: <b>NOT APPLICABLE</b> MW	7			
10.	Incinerator Information: No	OT APPLICABLE				
	Dwell Temperature: Dwell Time:	°F seconds				
	Incinerator Afterburner Temperature :°F					
11. Emissions Unit Comment:						
11.	Limssions om Comment.					
			•			

Emissions Unit 017 - 2

## **Emissions Unit Control Equipment**

A.	
	Description: gas extraction wells with flares
2.	Control Device or Method Code: 023
В.	
1.	Description:
2.	Control Device or Method Code:
C.	
1.	Description:
2.	Control Device or Method Code:

Emissions Unit 017 - 3

**Emissions Unit Operating Capacity** 

1.	Maximum Heat Input Rate: NOT APPLICABLE	mmBt	u/hr
2.	Maximum Incineration Rate: NOT APPLICABLE	lb/hr	tons/day
3.	Maximum Process or Throughput Rate: 358,000 tpy (average refuse	accept	ance rate)
4.	Maximum Production Rate: NOT APPLICABLE		
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.

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

Emissions Unit 017 - 5

<u>List of Applicable Regulations</u> (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
62-213 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:				
Dwg: 07187-016-096, G-1 & G-2 Appendix A-2				
2. Emission Point Type Code: [ ] 1				
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 Poin NOT APPLICABLE	at in Common:			
5. Discharge Type Code:  [ ] D				
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 017 - 7

10. Percent Water Vapor: N	OT APPLICABLE	%
11. Maximum Dry Standard	Flow Rate: NOT APPLIC	CABLE dscfm
12. Nonstack Emission Poin	t Height: NOT APPLICA	BLE feet
13. Emission Point UTM Co	oordinates:	
Zone: <b>17</b>	East (km): 585.82	North (km): 2960.474
14. Emission Point Commer	nt: Gas extraction wells w	ith flares.
		•

#### 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):				
Waste gas flares (MM cu.ft. burned)					
2.	Source Classification Code (SCC): 501004	10			
3.	SCC Units: MM cu.ft. burned				
4	Maximum Hourly Rate: 0.03498	5. Maximum Annual Rate: 306.49			
т.	Wiaximum Hourry Rate. 0.03470	J. Waximum Amual Rate. 300.47			
6.	Estimated Annual Activity Factor: NOT A	PPLICABLE			
7.	Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE			
9.	Million Btu per SCC Unit: NOT APPLIC				
10.	Segment Comment:				

Emissions Unit 017 - 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 4

1.	1. Pollutant Emitted: VOC as nonmethane organic carbon (NMOC)						
2.	Total Percent Efficiency of Contro	ol:		98 %			
.3.	3. Primary Control Device Code: <b>023</b>						
4.	Secondary Control Device Code:			·			
5.	Potential Emissions:	<b>0.393</b> lb/h	our	1.72 tons/year			
6.	Synthetically Limited?						
	[ ] Yes [X] No						
7.	Range of Estimated Fugitive/Othe	r Emissions:					
	[ ] 1 [ ] 2	[ ] 3	to	tons/year			
8.	Emission Factor: See Appendix Reference:	F-4					
9.	Emissions Method Code:						
<u> </u>	[]1[]2	[X] 3	[]4	[]5			
10.	Calculation of Emissions: See Ap	ppendix F-4					
11.	Pollutant Potential/Estimated Emi	ssions Comment:					

Emissions Unit 017 - 10

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

Α.	NOT APPLIC	<u>ABLE</u>	
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 Operati	ng Method/Mode):
В.			
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 Operati	ng Method/Mode):

Emissions Unit 017 - 11

## 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: CO <sub>2</sub>
2.	Total Percent Efficiency of Control: NOT APPLICABLE %
3.	Primary Control Device Code: 023
4.	Secondary Control Device Code:
5.	Potential Emissions: 4927.4 lb/hour 21,582 tons/year
6.	Synthetically Limited? [ ] Yes [ X ] No
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1
8.	Emission Factor: 8.45 lb/hr/dscfm uncontrolled methane Reference: AP-42
9.	Emissions Method Code:
	[]1 []2 [X]3 []4 []5
10.	Calculation of Emissions:
	$8.45 \ lb / hr / dscfm \times 583.12 \ dscfm = \frac{4927.4 \ lb}{hr}$
11.	Pollutant Potential/Estimated Emissions Comment:

Emissions Unit 017 - 12

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

<u>A.</u>	NOT APPLICAB	<u>BLE</u>
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	f Related Operating Method/Mode):
В.		
1.	Basis for Allowable Emissions Code:	
2.	Future Effective Date of Allowable Emissions:	
3.	Requested Allowable Emissions and Units:	
4.	Equivalent Allowable Emissions: lb/	o/hr tons/year
5.	Method of Compliance:	
6.	Pollutant Allowable Emissions Comment (Desc. of	f 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: NO <sub>2</sub>			
2.	Total Percent Efficiency of Control: NOT APPLICABLE %			
3.	Primary Control Device Code: 023			
4.	Secondary Control Device Code:			
5.	Potential Emissions: 4.08 lb/hour 17.87 tons/year			
6.	Synthetically Limited? [ ] Yes [X] No			
7.	Range of Estimated Fugitive/Other Emissions:  [ ] 1			
8.	Emission Factor: 0.007 lb/hr/dscfm uncontrolled methane Reference: AP-42			
9.	Emissions Method Code: [ ] 1			
10	Calculation of Emissions:			
$0.007  lb  /  hr  /  dscfm  x  \frac{583.12  dscfm}{\min}  =  \frac{4.08  lb}{hr}$				
11	Pollutant Potential/Estimated Emissions Comment:			

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

A.	NOT APPLICA	BLE	
1.	Basis for Allowable Emissions Code:		
2.	Future Effective Date of Allowable Emissions:		
3.	Requested Allowable Emissions and Units:		
4.	Equivalent Allowable Emissions:	b/hour	tons/year
5.	Method of Compliance:		
6.	Pollutant Allowable Emissions Comment (Desc. o	of Related Operating N	Method/Mode):
В.			
1.	Basis for Allowable Emissions Code:		
2.	Future Effective Date of Allowable Emissions:		-
3.	Requested Allowable Emissions and Units:		
4.	Equivalent Allowable Emissions:	b/hr	tons/year
5.	Method of Compliance:		
6.	Pollutant Allowable Emissions Comment (Desc. o	of Related Operating N	Method/Mode):

Emissions Unit 017 - 15

#### 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: S	SO <sub>2</sub>				
2.	Total Percent Efficie	ency of Control: NO	OT APPLICAT	BLE	%	
3.	Primary Control Device Code: 023					
4.	Secondary Control D	evice Code:				
5.	Potential Emissions:	:	1.24 lb/hour		5.12 tons/year	
6.	Synthetically Limite	d?				
	[ ] Yes [	<b>X</b> ] No				
7.	Range of Estimated					
	[ ] 1 [	] 2	] 3	to _	tons/year	
8.	Emission Factor: Se Reference:	ee Appendix F-4				
9.	Emissions Method C					
	[]1[	] 2	<b>K</b> ] 3	[]4	[ ] 5	
10.	Calculation of Emiss	sions: See Append	ix F-4	_		
11.	Pollutant Potential/E	Estimated Emissions	Comment:			

Allowable Emissions (Pollutant identified on front of page)

Emissions Unit 017 - 16

# Emissions Unit Information Section <u>17</u> of <u>17</u>

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):
В.	
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 - 17

#### 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: Not Applicable	
2.	Basis for Allowable Opacity: [ ] Rule [ ] Other	
3.	Requested Allowable Opacity:  Normal Conditions:	% min/hour
4.	Method of Compliance:	
5.	Visible Emissions Comment:	

Emissions Unit 017 - 18

## 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: Not Applicable				
2.	CMS Requirement:	[	] Rule	[	] Other
3.	Monitor Information: Manufacturer: Model Number:			Serial Nun	nber:
4.	Installation Date (DD-MON-YYYY):				
5.	Performance Specification Test Date (D	D-l	MON-YYY	Y):	
6.	Continuous Monitor Comment:				

Emissions Unit 017 - 19

# 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 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 017 - 20

2.	Increment	Consuming	for Nitrogen	Dioxide?
	******	0011041111115	101 1 1111 0 5 011	Dioniae.

			~				
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.						
to paragraph (c) of the defini and the emissions unit addre	[ ] 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.						
	operation after F	ebruary 8, 1988	but b	an EPA major source, and the perfore March 28, 1988. If so, ent.			
[ ] For any facility, the 28, 1988. If so, baseline em				initial operation after March onsumes increment.			
nonzero. In such case, addit	ional analysis, be in emissions have	eyond the scope	of thi	f the emissions unit are is application, is needed to cur) after the baseline date that			
3. Increment Consuming/I	Expanding Code:						
PM [ ]	C	] E	[ ]	Unknown			
SO2 [ ]	C [	_		Unknown			
NO2 [ ]	C [	] E	[ ]	Unknown			
4. Baseline Emissions:							
PM	lb/	hour		tons/year			
SO2	lb/	hour		tons/year			
NO2				tons/year			
5. PSD Comment:							

Emissions Unit 017 - 21

#### 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

Process Flow Diagram     [X] Attached [] Not Applicable [] Waiver Requested     Document ID: Appendix C-13
2. Fuel Analysis or Specification  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
3. Detailed Description of Control Equipment [X] Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-11
4. Description of Stack Sampling Facilities  [ ] Attached [ X ] Not Applicable [ ] Waiver Requested  Document ID:
5. Compliance Test Report  [ ] Attached, Document ID:  [ ] Previously submitted, Date:  [ X ] Not Applicable
6. Procedures for Startup and Shutdown  [ ] Attached [ X ] Not Applicable  Document ID:
7. Operation and Maintenance Plan  [X] Attached [] Not Applicable  Document ID: Appendix E-5
8. Supplemental Information for Construction Permit Application  [ ] Attached [ X ] Not Applicable  Document ID:
9. Other Information Required by Rule or Statute  [ ] Attached [ X ] Not Applicable  Document ID:

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Additional Supplemental Requirements for Category 1 Applications Only
40. Alternative Methods of Operation  [ ] Attached [ X ] Not Applicable  Document ID:
11. Alternative Modes of Operation (Emissions Trading)  [ ] Attached [ X ] Not Applicable  Document ID:
12. Enhanced Monitoring Plan  [ ] Attached [ X ] Not Applicable  Document ID:
13. Identification of Additional Applicable Requirements  [ ] Attached [ X ] 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:
[X ] Not Applicable