



YOUR PARTNER FOR
SOLID WASTE SOLUTIONS

June 12, 1996

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

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

Dear Mr. Brown,

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

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

Sincerely,

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

RECEIVED

JUN 13 1996

BUREAU OF
AIR REGULATION

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
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**SOLID WASTE AUTHORITY OF PALM BEACH COUNTY
NORTH COUNTY REGIONAL RESOURCE RECOVERY FACILITY
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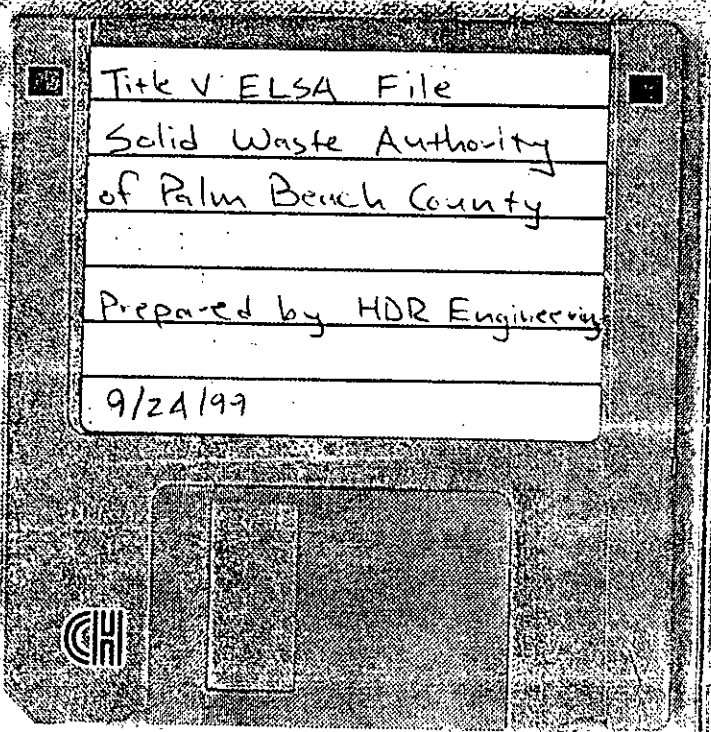
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Department of Environmental Protection

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:	0990234-001-AV
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: Donald Lockhart, Executive Director
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: The Solid Waste Authority of Palm Beach County North County Resource Recovery Facility Street Address: 6501 North Jog Road City: West Palm Beach State: FL Zip Code: 33412
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (407) 640-4000 - Fax: () -
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility (non-Title V source) addressed in this Application for Air Permit or the responsible official, as defined in Chapter 62-213, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. If the purpose of this application is to obtain an air operation permit or operation permit revision for one or more emissions units which have undergone construction or modification, I certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i> <p style="text-align: center;"> _____ Signature</p> <p style="text-align: right;"><u>6/10/96</u> _____ Date</p>

* Attach letter of authorization if not currently on file.

Scope of Application

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

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

Purpose of Application and Category

Check one (except as otherwise indicated):

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

This Application for Air Permit is submitted to obtain:

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

Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

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

Operation permit to be renewed: _____

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

Current construction permit number: _____

Operation permit to be revised: _____

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

Operation permit to be revised/corrected: _____

Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: _____

Reason for revision: _____

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

This Application for Air Permit is submitted to obtain:

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

Current operation/construction permit number(s): _____

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

Operation permit to be renewed: _____

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

Operation permit to be revised: _____

Reason for revision: _____

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

This Application for Air Permit is submitted to obtain:

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

Current operation permit number(s), if any: _____

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

Current operation permit number(s): _____

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

Application Processing Fee

Check one:

Attached - Amount: \$ _____

Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

NOT APPLICABLE

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

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

Professional Engineer Certification

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

2. Professional Engineer Mailing Address:

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

3. Professional Engineer Telephone Numbers:

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

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance (a) that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; or (b) for any application for a Title V source air operation permit, that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application;

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

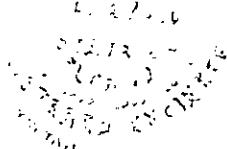
(3) For any application for an air construction permit for one or more proposed new or modified emissions units, the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

Ronald D. Larson
Signature

5/8/96
Date

(seal)

* Attach any exception to certification statement.



Application Contact

1. Name and Title of Application Contact:

Richard Statom, Assistant Director Environmental Programs

2. Application Contact Mailing Address:

Organization/Firm: Solid Waste Authority of Palm Beach County

Street Address: 7501 N. Jog Road

City: West Palm Beach State: FL

Zip Code: 33412

3. Application Contact Telephone Numbers:

Telephone: (407) 640-4000

Fax: (407) 683-4067

Application Comment

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

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Name, Location, and Type

1. Facility Owner or Operator: The Solid Waste Authority of Palm Beach County			
2. Facility Name: North County Resource Recovery Facility			
3. Facility Identification Number: 0990234 [] Unknown			
4. Facility Location Information: Facility Street Address: 6501 North Jog Road City: West Palm Beach County: Palm Beach Zip Code: 33412			
5. Facility UTM Coordinates: Zone: 17 East (km): 585.82 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	8. Facility Status Code: A	9. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
2. Title V Source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Synthetic Non-Title V Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Synthetic Minor Source of Pollutants Other than HAPs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6. Major Source of Hazardous Air Pollutants (HAPs)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Possible
7. Synthetic Minor Source of HAPs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
8. One or More Emissions Units Subject to NSPS? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
9. One or More Emission Units Subject to NESHAP? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
10. Title V Source by EPA Designation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11. Facility Regulatory Classifications Comment:

B. FACILITY REGULATIONS

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

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

NOT APPLICABLE

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

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

C. FACILITY POLLUTANT INFORMATION

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

Facility Pollutant Information: Pollutant _____ of _____

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

Facility Pollutant Information: Pollutant _____ of _____

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

D. FACILITY SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.
- This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit 001 - 1

Emissions Unit Information Section 1 of 17

Emissions Unit Description and Status

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

Emissions Unit 001 - 2

Emissions Unit Control Equipment

A.

1. Description: Spray Dryer Absorber
2. Control Device or Method Code: 067

B.

1. Description: Electrostatic Precipitator
2. Control Device or Method Code: 010

C.

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

Emissions Unit 001 - 3

Emissions Unit Information Section 1 of 17

Emissions Unit Operating Capacity

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

Emissions Unit Operating Schedule

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

Emissions Unit 001 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit 001 - 5

Emissions Unit Information Section 1 of 17

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

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

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

Emissions Unit Information Section 1 of 17

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

Emissions Unit 001 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Combustion boiler for electric generation with refuse derived fuel (emissions related to tons of RDF burned).	
2. Source Classification Code (SCC): 10101202	
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 APPLICABLE	
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE
9. Million Btu per SCC Unit: 11 MMBTU/ton of RDF	
10. Segment Comment:	

Emissions Unit Information Section 1 of 17

Segment Description and Rate: Segment 2 of 2

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

Emissions Unit 001 - 10

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 1 of 11

1. Pollutant Emitted: 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 0.15 grains per DSCF - permit condition
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 0.015 gr/dscf at 7% O₂ Reference: Permit Number: PSD-FL-108A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{0.015\text{gr}}{\text{dscf}} @7\%O_2 \times 115,693.8\text{dscfm}@7\%O_2 \times \frac{1\text{pound}}{7,000\text{grains}} \times \frac{60\text{minutes}}{\text{hour}} = \frac{14.875\text{pounds}}{\text{hour}}$	
11. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for PM emissions from natural gas burner during warm-up.	

Emissions Unit 001 - 11

Emissions Unit Information Section 1 of 17

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: 0.015 gr/dscf at 7% O₂
Equivalent Allowable Emissions: 14.875 lb/hour 65.15 tons/year
5. Method of Compliance: Annual stack test with USEPA Method 5 pursuant to PSD permit number 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

B.

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

Emissions Unit 001 - 12

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 2 of 11

1. Pollutant Emitted: NO_x		
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.48 lb/MMBTU Reference: Permit Number: PSD-FL-108A		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{0.48 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{198 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for NO_x emissions from natural gas burner during warm-up.		

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Emissions Unit Information Section 1 of 17

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: 0.48 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 occurrence.		

B.

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

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E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 3 of 11

1. Pollutant Emitted: 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year			
8. Emission Factor: 400 ppmdv at 7% O₂ (1-hour average) 200 ppmdv at 7% O₂ (24 hour average) Reference: Permit Number: PSD-FL-108A			
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions: $\frac{400 \text{ ppmdv at } 7\% \text{ O}_2}{1 \times 10^6} \times 115,693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{28.0 \text{ lbs}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ = $\frac{201.75 \text{ lb}}{\text{hr}}$ 200ppmdv at 7% O ₂ = 100.88 lb/hour			
11. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for CO emissions from natural gas burned during warm-up.			

Emissions Unit Information Section 1 of 17

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 ppm_{dv} at 7% O₂ (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 occurrence.

B.

1. Basis for Allowable Emissions Code: Rule/Other
2. Future Effective Date of Allowable Emissions: NOT APPLICABLE
3. Requested Allowable Emissions and Units: 200 ppm_{dv} 7% O₂ (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 occurrence.

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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 Applicable - Section III E.2	
3. Primary Control Device Code: 010		
4. Secondary Control Device Code: 067		
5. Potential Emissions:	0.165 lb/hour	0.723 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 4×10^{-4} lb/MMBTU Reference: Permit Number: PSD-FL-108A		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{4 \times 10^{-4} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{0.165 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 001 - 17

Emissions Unit Information Section 1 of 17

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: <p style="text-align: center;">4×10^{-4} lb/MMBTU</p>		
4. Equivalent Allowable Emissions:	0.165 lb/hour	0.723 tons/year
5. Method of Compliance: Annual stack test with USEPA Method 12 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.		

B.

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

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E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 5 of 11

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

Emissions Unit Information Section 1 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: Other
2. Future Effective Date of Allowable Emissions: NOT APPLICABLE
3. Requested Allowable Emissions and Units: <p style="text-align: right;">3.6×10^{-4} lb/MMBTU</p>
4. Equivalent Allowable Emissions: 0.149 lb/hour 0.65 tons/year
5. Method of Compliance: Annual stack test with USEPA Method 101A 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.

B.

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

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E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 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 10⁻⁴ lb/hour 13.18 x 10⁻⁴ tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year
8. Emission Factor: 7.3 x 10⁻⁷ lb/MMBTU Reference: Permit Number: PSD-FL-108A
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions: $\frac{7.3 \times 10^{-7} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{3.01 \times 10^{-4} \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emissions Unit 001 - 21

Emissions Unit Information Section 1 of 17

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: 7.3×10^{-7} lb/MMBTU
4. Equivalent Allowable Emissions: 3.01×10^{-4} lb/hour 13.18×10^{-4} tons/year
5. Method of Compliance: Annual stack test with USEPA Method 104 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.

B.

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

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 7 of 11

1. Pollutant Emitted: 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 0.0032 lb/MMBTU Reference: Permit Number: PSD-FL-108A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{0.0032 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{1.32 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit Information Section 1 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: 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.

B.

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

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 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: 067	
5. Potential Emissions:	6.60 lb/hour 28.91 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 0.016 lb/MMBTU Reference: Permit Number: PSD-FL-108A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{0.016 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{6.60 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit Information Section 1 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: 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
5. Method of Compliance: Annual stack test with USEPA Method 25 or 25A 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.

B.

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

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Emissions Unit Information Section 1 of 17

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 9 of 11

1. Pollutant Emitted: SO₂	
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 70% removal or 30 ppm_{dv} at 7% O₂ (24-hour geometric mean) Reference: Permit Number: PSD-FL-108A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{30 \text{ ppm}_{dv}}{1 \times 10^6} \text{ at } 7\% \text{ O}_2 \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{64.07 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{34.62 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for SO₂ emissions from natural gas burners during warm-up.	

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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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 90% removal or 25 ppm_{dv} at 7% O₂ (three run test average) Reference: Permit Number: PSD-FL-108A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{25 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{36.47 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{16.42 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

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E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 11 of 11

1. Pollutant Emitted: 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 10⁻⁴ lbs/hour 1.14 x 10⁻³ tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year
8. Emission Factor: 60 ng/dscm at 7% O₂ total dioxins/furans Reference: Permit Number: PSD-FL- 108 A
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions: $60 \text{ ng / dscm at } 7\% \text{ O}_2 \times 0.0283 \times \frac{115693.8 \text{ dscf}}{\text{min}} \text{ at } 7\% \text{ O}_2 \times 2.205 \times \frac{10^{-12} \text{ lb}}{\text{ng}} \times \frac{60 \text{ min}}{\text{hr}} =$ $\frac{2.60 \times 10^{-4} \text{ lb}}{\text{hour}}$
11. Pollutant Potential/Estimated Emissions Comment:

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

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

Continuous Monitoring System: Continuous Monitor 1 of 8

1. Parameter Code: O₂		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information:	Manufacturer: Kent-Taylor	
	Model Number: Z-69M/20/011	Serial Number: F/10228/1/3
4. Installation Date (DD-MON-YYYY):	October, 1989	
5. Performance Specification Test Date (DD-MON-YYYY):	October 23-27, 1989	
6. Continuous Monitor Comment: O₂ monitor required pursuant to PSD-FL-108A.		

Continuous Monitoring System: Continuous Monitor 2 of 8

1. Parameter Code: CO₂		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information:	Manufacturer: Milton Roy	
	Flue: Model Number: 3300	Serial Number: N2J4635T
	Stack: Model Number: 3300	Serial Number: N2C2522T
4. Installation Date (DD-MON-YYYY):	October 1989	
5. Performance Specification Test Date (DD-MON-YYYY):	October 23-27, 1989	
6. Continuous Monitor Comment: CO₂ monitor required pursuant to PSD-FL-108A		

Emissions Unit Information Section 1 of 17

Continuous Monitoring System: Continuous Monitor 3 of 8

1. Parameter Code: SO₂		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: Fluorescent SO₂ Monitor Manufacturer: Thermo Environmental Instruments Flue: Model Number: 43A Serial Number: 43A-23370-210 Stack: Model Number: 43A Serial Number: 43A-233581-245		
4. Installation Date (DD-MON-YYYY): October, 1989		
5. Performance Specification Test Date (DD-MON-YYYY): October 23-27, 1989		
6. Continuous Monitor Comment: SO₂ monitor required pursuant to PSD-FL-108A.		

Continuous Monitoring System: Continuous Monitor 4 of 8

1. Parameter Code: CO		
2. CMS Requirement:	<input type="checkbox"/> Rule	<input checked="" type="checkbox"/> Other
3. Monitor Information: Gas filter correlation/non-dispersive infrared CO analyzer Manufacturer: Thermo Environmental Instruments Model Number: 48 Serial Number: 48-23415-210		
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 monitor required pursuant to PSD-FL-108A.		

Emissions Unit Information Section 1 of 17

Continuous Monitoring System: Continuous Monitor 5 of 8

1. Parameter Code: NO_x
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Chemiluminescent NO_x analyzer Manufacturer: Thermo Environmental Instruments Model Number: 14B/E Serial Number: 14B-E-22764-207
4. Installation Date (DD-MON-YYYY): October, 1989
5. Performance Specification Test Date (DD-MON-YYYY): October 23-27, 1989
6. Continuous Monitor Comment: NO_x monitor required pursuant to PSD-FL-108A.

Continuous Monitoring System: Continuous Monitor 6 of 8

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

Emissions Unit 001 - 36

Emissions Unit Information Section 1 of 17

Continuous Monitoring System: Continuous Monitor 7 of 8

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

Continuous Monitoring System: Continuous Monitor 8 of 8

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

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit 001 - 38

Emissions Unit Information Section 1 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Emissions Unit 001 - 40

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emission Unit 002 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Boiler #2		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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: RDF Boiler Manufacturer: Babcock & Wilcox Model Number: Sterling Power Boiler		
9. Generator Nameplate Rating: 62.0 MW		
10. Incinerator Information: Dwell Temperature: 1800+ °F Dwell Time: one (1) seconds Incinerator Afterburner Temperature :°F Not Applicable		
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

B.

1. Description: Electrostatic Precipitator
2. Control Device or Method Code: 010

C.

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

Emission Unit 002 - 3

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		412.5 mmBtu/hr
2. Maximum Incineration Rate:	75,000 lb/hr	900 tons/day
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
	52 weeks/year	8760 hours/year

Emission Unit 002 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emission Unit 002 - 5

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

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

Emission Unit 002 - 6

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

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

Emission Unit 002 - 7

Emissions Unit Information Section 2 of 17

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

Emission Unit 002 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Combustion boiler for electric generation with refuse derived fuel (emissions related to tons of RDF burned).	
2. Source Classification Code (SCC): 10101202	
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 APPLICABLE	
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE
9. Million Btu per SCC Unit: 11 MMBTU/ton of RDF	
10. Segment Comment:	

Emissions Unit Information Section 2 of 17

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Combustion boiler for electric generation with natural gas (emissions related to MM cu. ft. of natural gas burned).	
2. Source Classification Code (SCC): 10100601	
3. SCC Units: MM cu. ft. of natural gas burned	
4. Maximum Hourly Rate: 0.2	5. Maximum Annual Rate: See Note Below
6. Estimated Annual Activity Factor: NOT APPLICABLE	
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.	

Emission Unit 002 - 10

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 1 of 11

1. Pollutant Emitted: 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?			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions:			
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year			
8. Emission Factor: 0.015 gr/dscf at 7% O₂			
Reference: Permit Number: PSD-FL-108A			
9. Emissions Method Code:			
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions:			
$0.015 \text{ gr / dscf at } 7\% \text{ O}_2 \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{1 \text{ lb}}{7000 \text{ grains}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{14.875 \text{ lb}}{\text{hr}}$			
11. Pollutant Potential/Estimated Emissions Comment:			
See Appendix F-1 for PM emissions from natural gas burners during warm-up.			

Emission Unit 002 - 11

Emissions Unit Information Section 2 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: Rule/Other
2. Future Effective Date of Allowable Emissions: NOT APPLICABLE
3. Requested Allowable Emissions and Units: 0.015 gr/dscf at 7% O₂
4. Equivalent Allowable Emissions: 14.875 lb/hour 65.15 tons/year
5. Method of Compliance: Annual stack test with USEPA Method 5 pursuant to PSD-FL-108A.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): Basis for allowable emissions = 40 CFR, Subpart Ca and PSD-FL-108A.

B.

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

Emission Unit 002 - 12

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 2 of 11

1. Pollutant Emitted: NO_x		
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.48 lb/MMBTU Reference: Permit Number: PSD-FL-108A		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{0.48 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{198 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for NO_x emissions from natural gas burners during warm-up.		

Emission Unit 002 - 13

Emissions Unit Information Section 2 of 17

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: 0.48 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 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 number PSD-FL-108A.		
*Except for start-up/shutdown/malfunction period of maximum three hours per occurrence.		

B.

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

Emission Unit 002 - 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year			
8. Emission Factor: 400 ppm_{dv} at 7% O₂ (1-hour average) 200 ppm_{dv} at 7% O₂ (24 Hour daily average) Reference: Permit Number: PSD-FL-108A			
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5			
10. Calculation of Emissions: $\frac{400 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115,693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{28.01 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{20.75 \text{ pounds}}{\text{hour}} \quad 200 \text{ ppm}_{dv} \text{ @ } 7\% \text{ O}_2 = 100.88 \text{ pounds/hour}$			
11. Pollutant Potential/Estimated Emissions Comment: See Appendix F-1 for CO emissions from natural gas burners during warm-up.			

Emission Unit 002 - 15

Emissions Unit Information Section 2 of 17

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 N/A tons/year
5. Method of Compliance: CEM and annual stack test with USEPA Method 10 pursuant to PSD permit PSD-FL-108A.
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 occurrence.

B.

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% O₂ (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 occurrence.

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 Applicable - Section III E.2		
3. Primary Control Device Code: 010		
4. Secondary Control Device Code: 067		
5. Potential Emissions:	0.165 lb/hour	0.723 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 4×10^{-4} lb/MMBTU Reference: Permit Number: PSD-FL-108A		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{4 \times 10^{-4} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{0.165 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emission Unit 002 - 17

Emissions Unit Information Section 2 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: Other		
2. Future Effective Date of Allowable Emissions: NOT APPLICABLE		
3. Requested Allowable Emissions and Units: 4 x 10⁻⁴ lb/MMBTU		
4. Equivalent Allowable Emissions:	0.165 lb/hour	0.723 tons/year
5. Method of Compliance: Annual stack test with USEPA Method 12 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.		

B.

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

Emission Unit 002 - 18

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 5 of 11

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

Emission Unit 002 - 19

Emissions Unit Information Section 2 of 17

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: 3.6×10^{-4} lb/MMBTU		
4. Equivalent Allowable Emissions:	0.149 lb/hour	0.65 tons/year
5. Method of Compliance: Annual stack test with USEPA Method 101 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.		

B.

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

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 6 of 11

1. Pollutant Emitted: 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 10⁻⁴ lb/hour 13.18 x 10⁻⁴ tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year
8. Emission Factor: 7.3 x 10⁻⁷ lb/MMBTU Reference: Permit Number: PSD-FL-108A
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions: $\frac{7.3 \times 10^{-7} \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{3.01 \times 10^{-4} \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emission Unit 002 - 21

Emissions Unit Information Section 2 of 17

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: 7.3×10^{-7} lb/MMBTU
4. Equivalent Allowable Emissions: 3.01×10^{-4} lb/hour 13.18×10^{-4} tons/year
5. Method of Compliance: Annual stack test with USEPA Method 104 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.

B.

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

Emission Unit 002 - 22

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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year
8. Emission Factor: 0.0032 lb/MMBTU Reference: Permit Number: PSD-FL-108A
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions: $\frac{0.0032 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{1.32 \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emission Unit 002 - 23

Emissions Unit Information Section 2 of 17

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: 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-FL-108A.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): Basis for allowable emissions = PSD permit number PSD-FL-108A.

B.

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

Emission Unit 002 - 24

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 8 of 11

1. Pollutant Emitted: VOC
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: 6.60 lb/hour 28.91 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year
8. Emission Factor: 0.016 lb/MMBTU Reference: Permit Number: PSD-FL-108A
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions: $\frac{0.016 \text{ lb}}{\text{MMBTU}} \times \frac{412.5 \text{ MMBTU}}{\text{hr}} = \frac{6.60 \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emission Unit 002 - 25

Emissions Unit Information Section 2 of 17

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.

B.

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

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 9 of 11

1. Pollutant Emitted: SO₂	
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
Acceptance Test	
6. Synthetically Limited?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions:	
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 70% removal or 30 ppm_{dv} at 7% O₂ (24-hour geometric mean)	
Reference: Permit Number: PSD-FL-108A	
9. Emissions Method Code:	
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions:	
$\frac{30 \text{ ppm}_{dv} \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115693.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{64.07 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{34.62 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	
See Appendix F-1 for SO₂ emissions from natural gas burned during warm-up.	

Emission Unit 002 - 27

Emissions Unit Information Section 2 of 17

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% O₂ (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/shutdown/malfunction periods of maximum three hours per occurrence.

B.

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

Emission Unit 002 - 28

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 10 of 11

1. Pollutant Emitted: 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 lb/hour 71.92 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 90% removal or 25 ppm_v at 7% O₂ (3 run test average) Reference: Permit Number: PSD-FL-108A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{25 \text{ ppm}_v \text{ at } 7\% \text{ O}_2}{1 \times 10^6} \times 115,93.8 \text{ dscfm at } 7\% \text{ O}_2 \times \frac{36.47 \text{ lb}}{\text{mole}} \times \frac{0.002595 \text{ mole}}{\text{dscf}} \times \frac{60 \text{ min}}{\text{hr}}$ $= \frac{1642 \text{ lb}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emission Unit 002 - 29

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 Section III E.2
3. Primary Control Device Code: 067
4. Secondary Control Device Code: 010
5. Potential Emissions: 2.60 x 10⁻⁴ lb/hour 1.14 x 10⁻³ tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year
8. Emission Factor: 60 ng/dscm at 7% O₂ (Total dioxins/furans) Reference: Permit Number:
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5
10. Calculation of Emissions: $\frac{60 \text{ ng} \times 0.0283}{\text{dscm at } 7\% \text{ O}_2} \times \frac{115,693.8 \text{ dscf at } 7\% \text{ O}_2}{\text{min}} \times 2.205 \times \frac{10^{-12} \text{ lb}}{\text{ng}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{2.60 \times 10^{-4} \text{ lb}}{\text{hr}}$
11. Pollutant Potential/Estimated Emissions Comment:

Emission Unit 002 - 31

Emissions Unit Information Section 2 of 17

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: 60 ng/dscm at 7% O₂ (total)
4. Equivalent Allowable Emissions: 2.60 x 10⁻⁴ lb/hour 1.14 x 10⁻³ 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.

B.

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

Emission Unit 002 - 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 Subtype: VE	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: 10^a % Exceptional Conditions: >10^b % Maximum Period of Excess Opacity Allowed: 60^b min/hour
4. Method of Compliance: Continuous Opacity Monitor (COMs) and annual stack test with USEPA Method 9 pursuant to PSD-FL-108A.	
5. Visible Emissions Comment: ^aPursuant to 40 CFR 60, Subpart, Ca - 6-minute block average. ^bMaximum duration of start-up, shutdown, and malfunction not to exceed three hours per occurrence pursuant to PSD-FL-108A.	

G. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 8

1. Parameter Code: O₂
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Manufacturer: Kent-Taylor Model Number: Z-69M/20/011 Serial Number: F/13664/3/2
4. Installation Date (DD-MON-YYYY): October, 1989
5. Performance Specification Test Date (DD-MON-YYYY): October 23-27, 1989
6. Continuous Monitor Comment: O₂ monitor required pursuant to PSD-FL-108A.

Continuous Monitoring System: Continuous Monitor 2 of 8

1. Parameter Code: CO₂
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> 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: CO₂ monitor required pursuant to PSD-FL-108A.

Emission Unit 002 - 34

Emissions Unit Information Section 2 of 17

Continuous Monitoring System: Continuous Monitor 3 of 8

1. Parameter Code: SO₂
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Fluorescent SO₂ analyzer Manufacturer: Thermo Environmental Instruments Flue: Model Number: 43A Serial Number: 43A-41813-266 Stack: Model Number: 43A Serial Number: 43A-41812-266
4. Installation Date (DD-MON-YYYY): October, 1989
5. Performance Specification Test Date (DD-MON-YYYY): October 23-27, 1989
6. Continuous Monitor Comment: SO₂ monitor required pursuant to PSD-FL-108A.

Continuous Monitoring System: Continuous Monitor 4 of 8

1. Parameter Code: CO
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Gas filter correlation/non-dispersive infrared CO analyzer Manufacturer: Thermo Environmental Instruments Model Number: 48 Serial Number: 48-23414-210
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 monitor required pursuant to PSD-FL-108A.

Emission Unit 002 - 35

Emissions Unit Information Section 2 of 17

Continuous Monitoring System: Continuous Monitor 5 of 8

1. Parameter Code: NO_x
2. CMS Requirement: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Monitor Information: Chemiluminescent NO_x 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
6. Continuous Monitor Comment: NO_x monitor required pursuant to PSD-FL-108A.

Continuous Monitoring System: Continuous Monitor 6 of 8

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

Emission Unit 002 - 36

Emissions Unit Information Section 2 of 17

Continuous Monitoring System: Continuous Monitor 7 of 8

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

Continuous Monitoring System: Continuous Monitor 8 of 8

1. Parameter Code: Flow (steam)		
2. CMS Requirement:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> 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 (DD-MON-YYYY): October 23-27, 1989		
6. Continuous Monitor Comment: Steam Flow monitor required pursuant to PSD-FL-108A.		

Emission Unit 002 - 37

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

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Emissions Unit Information Section 2 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 003 - 1

Emissions Unit Information Section 3 of 17

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: RDF Process Line A		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment: 		

Emissions Unit 003 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit Information Section 3 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: 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

Emissions Unit 003 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit Information Section 3 of 17

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

62-210.300 F.A.C.	Stationary Sources - Permits Required
62.296.711 F.A.C.	Stationary Sources - Emission Standards - Material Handling
62-213 F.A.C.	Operating Permits
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:	
Drawing 07187-016-096, G-1 & G-2 Appendix A-2	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	66 ' 10.5" <u>feet</u>
7. Exit Diameter:	59.375 " <u>feet</u>
8. Exit Temperature:	Ambient °F
9. Actual Volumetric Flow Rate:	11,400 acfm

Emissions Unit 003 - 7

Emissions Unit Information Section 3 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:	

Emissions Unit 003 - 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. Source Classification Code (SCC): 50400201	
3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: 25.0	5. Maximum Annual Rate: 219,000
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 APPLICABLE	
10. Segment Comment: Maximum rate based on facility capacity to burn 900 tons per day of RDF per boiler.	

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/PM₁₀		
2. Total Percent Efficiency of Control:	99 % (industry standard)	
3. Primary Control Device Code: 018		
4. Secondary Control Device Code:		
5. Potential Emissions:	1.95 lb/hour	8.56 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 003 - 10

Emissions Unit Information Section 3 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emissions Unit 003 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> 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:	
Visual Observation	
5. Visible Emissions Comment:	
Basis for VE = Section 62-296.711 F.A.C.	

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: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number: Serial Number:
4. Installation Date (DD-MON-YYYY):
5. Performance Specification Test Date (DD-MON-YYYY):
6. Continuous Monitor Comment:

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 3 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 004 - 1

Emissions Unit Information Section 4 of 17

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: RDF Process Line B		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment: 		

Emissions Unit 004 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit Information Section 4 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:	50,000 lb/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

Emissions Unit 004 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit 004 - 5

Emissions Unit Information Section 4 of 17

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

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: Drawing 07187-016-096, G-1 & G-2 Appendix A-2	
2. Emission Point Type Code: <input checked="checked" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="checked" type="checkbox"/> V <input type="checkbox"/> W	
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

Emissions Unit Information Section 4 of 17

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:	

Emissions Unit 004 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General Process (emissions related to tons processed)	
2. Source Classification Code (SCC): 50400201	
3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: 25.0	5. Maximum Annual Rate: 219,000
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 APPLICABLE	
10. Segment Comment: Maximum rate based on facility capacity to burn 900 tons per day of RDF per boiler.	

Emissions Unit 004 - 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 ₁₀		
2. Total Percent Efficiency of Control: 99 % (industry standard)		
3. Primary Control Device Code: 018		
4. Secondary Control Device Code:		
5. Potential Emissions:	1.95 lb/hour	8.56 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 4 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emissions Unit 004 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> 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: Visual Observation		
5. Visible Emissions Comment: Basis for VE = Section 62-296.711 F.A.C.		

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:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information:	
Manufacturer:	
Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit 004 - 14

Emissions Unit Information Section 4 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 005 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: RDF Process Line C		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment: 		

Emissions Unit 005 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit 005 - 3

Emissions Unit 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.

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

NOT APPLICABLE

Emissions Unit 005 - 5

Emissions Unit Information Section 5 of 17

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:	

Emissions Unit 005 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General Process (emissions related to tons processed)	
2. Source Classification Code (SCC): 50400201	
3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: 25.0	5. Maximum Annual Rate: 219,000
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 APPLICABLE	
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/PM₁₀		
2. Total Percent Efficiency of Control: 99 % (industry standard)		
3. Primary Control Device Code: 018		
4. Secondary Control Device Code:		
5. Potential Emissions:	1.95 lb/hour	8.56 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 005 - 10

Emissions Unit Information Section 5 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B. NOT APPLICABLE

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

Emissions Unit 005 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> 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:	Visual Observation	
5. Visible Emissions Comment:	Basis for VE = Section 62-296.711 F.A.C.	

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:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 5 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Emissions Unit 005 - 16

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emission Unit 006 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: OBW process line		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:		

Emission Unit 006 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emission Unit 006 - 3

Emissions Unit Information Section 6 of 17

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: 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

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

Emissions Unit Information Section 6 of 17

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

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

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Drawing No. 01787-016-096 G-1 & G-2 Appendix A-2	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
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

Emissions Unit Information Section 6 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:	

Emission Unit 006 - 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. Source Classification Code (SCC): 50400201	
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 APPLICABLE	
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.	

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/PM₁₀		
2. Total Percent Efficiency of Control:	99 %	
3. Primary Control Device Code: 018		
4. Secondary Control Device Code:		
5. Potential Emissions:	1.95 lb/hour	8.56 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $0.02 \text{ gr / scf} \times \frac{11,400 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.95 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emission Unit 006 - 10

Emissions Unit Information Section 6 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emission Unit 006 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> 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: Visual Observation	
5. Visible Emissions Comment: Basis 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:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

Emission Unit 006 - 13

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emission Unit 006 - 14

Emissions Unit Information Section 6 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

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

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

Emission Unit 006 - 16

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emission Unit 007 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Fly Ash Storage Silo No.1		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: Not Applicable Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature :°F		
11. Emissions Unit Comment: 		

Emission Unit 007 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emission Unit 007 - 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: 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

Emission Unit 007 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emission Unit 007 - 5

Emissions Unit Information Section 7 of 17

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

62-210.300 F.A.C.	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

1. 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: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
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

Emissions Unit Information Section 7 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:	

Emission Unit 007 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General Process (emission related to tons processed).	
2. Source Classification Code (SCC): 50400201	
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: NOT APPLICABLE	
7. Maximum Percent Sulfur: NOT APPLICABLE	8. Maximum Percent Ash: NOT APPLICABLE
9. Million Btu per SCC Unit: NOT APPLICABLE	
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/PM₁₀	
2. Total Percent Efficiency of Control:	99 %
3. Primary Control Device Code: 018	
4. Secondary Control Device Code:	
5. Potential Emissions: N/A lb/hour N/A tons/year Not Applicable Fugitive Dust Section III E.5	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $0.02 \text{ gr / scf} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emission Unit 007 - 10

Emissions Unit Information Section 7 of 17

Allowable Emissions (Pollutant identified on front of page)

A. **NOT APPLICABLE**

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

B.

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

Emission Unit 007 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> 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: Visual Observation		
5. Visible Emissions Comment: Basis 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:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

Emission Unit 007 - 13

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emission Unit 007 - 14

Emissions Unit Information Section 7 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

Emission Unit 007 - 15

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Emission Unit 007 - 16

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 008 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Fly Ash Storage Silo #2		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
u3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:		

Emissions Unit 008 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit 008 - 3

Emissions Unit 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:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

Emissions Unit 008 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit 008 - 5

Emissions Unit Information Section 8 of 17

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

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

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Drawing 07187-016-096, G-1 & G-2	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
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

Emissions Unit Information Section 8 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:	

Emissions Unit 008 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General Process (emissions related to tons processed)	
2. Source Classification Code (SCC): 50400201	
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: NOT APPLICABLE	
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: PM/PM₁₀	
2. Total Percent Efficiency of Control:	99 %
3. Primary Control Device Code: 018	
4. Secondary Control Device Code:	
5. Potential Emissions: lb/hour tons/year Not Applicable - Fugitive dust Section III E.5	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $0.02 \text{ gr / scf} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit 008 - 10

Emissions Unit Information Section 8 of 17

Allowable Emissions (Pollutant identified on front of page)

A. **NOT APPLICABLE**

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

B.

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

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> 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: Visual Observation	
5. Visible Emissions Comment: Basis for VE = Section 62-296.711 F.A.C.	

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:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information:	
Manufacturer:	
Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 8 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 009 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Lime Storage Silo #1		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:		

Emissions Unit 009 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit 009 - 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: 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 009 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit 009 - 5

Emissions Unit Information Section 9 of 17

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

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

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

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

Emissions Unit 009 - 7

Emissions Unit Information Section 9 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: Lime directed back into silo	

Emissions Unit 009 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General Process (emissions related to tons processed)	
2. Source Classification Code (SCC): 50400201	
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: NOT APPLICABLE	8. Maximum Percent Ash: 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

1. Pollutant Emitted: PM/PM₁₀		
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{1195 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times 60 \text{ min hr} = \frac{0.205 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit 009 - 10

Emissions Unit Information Section 9 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emissions Unit 009 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> 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: Visual Observation		
5. Visible Emissions Comment: Basis for VE = Section 62-296.711 F.A.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:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information:	
Manufacturer:	
Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 9 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit 009 - 15

Emissions Unit Information Section 9 of 17

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

Supplemental Requirements for All Applications

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

Emissions Unit 009 - 16

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emission Unit 010 - 1

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emission Unit 010 - 3

Emissions Unit Information Section 10 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: Not Applicable	
4. Maximum Production Rate: NOT APPLICABLE	
5. Operating Capacity Comment: Type 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.

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

NOT APPLICABLE

Emission Unit 010 - 5

Emissions Unit Information Section 10 of 17

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

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

Emission Unit 010 - 6

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

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

Emission Unit 010 - 7

Emissions Unit Information Section 10 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: Lime directed back into 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. Source Classification Code (SCC): 50400201	
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: 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/PM₁₀		
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{1195 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{0.205 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emission Unit 010 - 10

Emissions Unit Information Section 10 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emission Unit 010 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE	
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> 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: Visual Observation	
5. Visible Emissions Comment: 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:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information:	
Manufacturer:	
Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

Emission Unit 010 - 13

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emission Unit 010 - 14

Emissions Unit Information Section 10 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emission Unit 010 - 15

Emissions Unit Information Section 10 of 17

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

Supplemental Requirements for All Applications

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

Emission Unit 010 - 16

Emissions Unit Information Section 10 of 17

Additional Supplemental Requirements for Category I Applications Only

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

Emission Unit 010 - 17

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 011 - 1

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit 011 - 3

Emissions Unit Information Section 11 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: 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.

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

NOT APPLICABLE

Emissions Unit 011 - 5

Emissions Unit Information Section 11 of 17

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

62-210.300 F.A.C.	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: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
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

Emissions Unit Information Section 11 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:	

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. Source Classification Code (SCC): 50400201	
3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: Not Applicable	5. Maximum Annual Rate: Not Applicable
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 APPLICABLE	
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/PM₁₀	
2. Total Percent Efficiency of Control:	99 %
3. Primary Control Device Code: 018	
4. Secondary Control Device Code:	
5. Potential Emissions:	lb/hour tons/year
Not Applicable - Fugitive dust Section III E.5	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit 011 - 10

Emissions Unit Information Section 11 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emissions Unit 011 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> 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: Visual Observation		
5. Visible Emissions Comment: Basis 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:	

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit 011 - 14

Emissions Unit Information Section 11 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Emissions Unit 011 - 16

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 012 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Ash Load Out Building		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment: 		

Emissions Unit 012 - 2

Emissions Unit Control Equipment

A.

1. Description: **Dust Collector**

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

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emissions Unit 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
3. Maximum Process or Throughput Rate: 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 012 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit 012 - 5

Emissions Unit Information Section 12 of 17

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

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

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Dwg: 07187-016-096, G-1 & G-2 Appendix A-2	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
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:	

Emissions Unit 012 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General Process (emissions related to tons processed)	
2. Source Classification Code (SCC): 50400201	
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 APPLICABLE	
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/PM₁₀	
2. Total Percent Efficiency of Control:	99 %
3. Primary Control Device Code: 018	
4. Secondary Control Device Code:	
5. Potential Emissions:	lb/hour tons/year
Not Applicable - Fugitive dust Section III E.5	
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year	
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data.	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{XX \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}}$	
11. Pollutant Potential/Estimated Emissions Comment:	

Emissions Unit 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):		

B.

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

Emissions Unit 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.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE
2. Basis for Allowable Opacity: [<input checked="" type="checkbox"/>] 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: Visual Observation
5. Visible Emissions Comment: Basis for VE = Section 62-296.711 F.A.C.

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:	<input type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number: Serial Number:		
4. Installation Date (DD-MON-YYYY):		
5. Performance Specification Test Date (DD-MON-YYYY):		
6. Continuous Monitor Comment:		

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit 012 - 14

Emissions Unit Information Section 12 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

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

Emissions Unit 012 - 16

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 013 - 1

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NOT APPLICABLE	mmBtu/hr
2. Maximum Incineration Rate: NOT APPLICABLE	lb/hr tons/day
3. <u>Maximum Process or Throughput Rate:</u> 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

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit Information Section 13 of 17

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

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

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram Dwg: 07187-016-096, G-1 & G-2 Appendix A-2	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: 80 feet	
7. Exit Diameter: 19.25" feet	
8. Exit Temperature:	Ambient °F
9. Actual Volumetric Flow Rate: 28,000 acfm	

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:	

Emissions Unit 013 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General Process (emissions related to tons processed).	
2. Source Classification Code (SCC): 50400201	
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 APPLICABLE	
10. Segment Comment:	

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 1 of 1

1. Pollutant Emitted: PM/PM₁₀		
2. Total Percent Efficiency of Control:	99 %	
3. Primary Control Device Code: 018		
4. Secondary Control Device Code:		
5. Potential Emissions:	19.83 lb/hour	86.87 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{115,693.8 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = 19.83 \text{ lb / hour}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Allowable Emissions (Pollutant identified on front of page)
Emissions Unit 013 - 10

Emissions Unit Information Section 13 of 17

Allowable Emissions (Pollutant identified on front of page)

A. **NOT APPLICABLE**

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

B.

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

Emissions Unit 013 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE		
2. Basis for Allowable Opacity:	<input checked="" type="checkbox"/> Rule	<input type="checkbox"/> 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: Visual Observation		
5. Visible Emissions Comment: Basis 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:	

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 13 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

<p>1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: Appendix C-9</p>
<p>2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID:</p>
<p>3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: Construction Agreement, Schedule A, Section 2.1.16, Appendix D-7</p>
<p>4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID:</p>
<p>5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:</p>
<p>7. Operation and Maintenance Plan <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:</p>
<p>8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:</p>
<p>9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID:</p>

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 014 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Materials Recycling Facility		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:		

Emissions Unit 014 - 2

Emissions Unit Control Equipment

A.

1. Description:

Dust Collector

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

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emissions Unit 014 - 3

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: 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.

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

NOT APPLICABLE

Emissions Unit 014 - 5

Emissions Unit Information Section 14 of 17

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

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

C. EMISSION POINT (STACK/VENT) INFORMATION

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

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Dwg: 07187-016-096, G-1 & G-2 Appendix A-2	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
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

Emissions Unit Information Section 14 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:	

Emissions Unit 014 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): General process (emissions related to tons processed).	
2. Source Classification Code (SCC): 50400201	
3. SCC Units: Tons Processed	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
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 APPLICABLE	
10. Segment Comment:	

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 1 of 1

1. Pollutant Emitted: PM/PM₁₀		
2. Total Percent Efficiency of Control:	99 %	
3. Primary Control Device Code: 018		
4. Secondary Control Device Code:		
5. Potential Emissions:	1.37 lb/hour	6.0 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.02 gr/scf Reference: Engineering estimates and vendor data.		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5		
10. Calculation of Emissions: $\frac{0.02 \text{ gr}}{\text{scf}} \times \frac{8000 \text{ scf}}{\text{min}} \times \frac{1 \text{ lb}}{7000 \text{ gr}} \times \frac{60 \text{ min}}{\text{hr}} = \frac{1.37 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emissions Unit 014 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE
2. Basis for Allowable Opacity: <input checked="checked" type="checkbox"/> Rule <input type="checkbox"/> 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: Visual Observation
5. Visible Emissions Comment: Basis 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. Parameter Code: Not Applicable	
2. CMS Requirement:	[<input type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

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

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

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 14 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

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

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

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit 015 - 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Auto Spray Booth		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment: 		

Emissions Unit 015 - 2

Emissions Unit Control Equipment

A.

1. Description: NOT APPLICABLE
2. Control Device or Method Code:

B.

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

C.

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

Emissions Unit 015 - 3

Emissions Unit 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: 271 gallons per year of paints 9 gallons per year of reducer 50 gallons per year of thinners.	
4. Maximum Production Rate: NOT APPLICABLE	
5. Operating Capacity Comment:	

Emissions Unit Operating Schedule

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

* Operating Time is 10 hrs/wk

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit 015 - 5

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

62-210.300 F.A.C.	Stationary Sources - Permits Required
62-213 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: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NOT APPLICABLE	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
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 15 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:	

Emissions Unit 015 - 8

D. SEGMENT (PROCESS/FUEL) INFORMATION

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

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Coating Operation (tons of solvent in coating).	
2. Source Classification Code (SCC): 40201699	
3. SCC Units: Tons of Solvent	
4. Maximum Hourly Rate: 1.48×10^{-3}	5. Maximum Annual Rate: 0.77
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 APPLICABLE	
10. Segment Comment:	

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 1 of 1

1. Pollutant Emitted: VOC		
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:	2.96 lb/hour	0.80 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 4.17 lb/gallon Reference: Vendor data on paints		
9. Emissions Method Code: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: See Appendix F-2.		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 15 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation N/A of N/A

1. Visible Emissions Subtype: Not Applicable			
2. Basis for Allowable Opacity:		<input type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity:			
Normal Conditions:	%	Exceptional Conditions:	%
Maximum Period of Excess Opacity Allowed:			min/hour
4. Method of Compliance:			
5. Visible Emissions Comment:			

G. CONTINUOUS MONITOR INFORMATION

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

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

1. Parameter Code: 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:	

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

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

PSD Increment Consumption Determination

NOT APPLICABLE

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 15 of 17

2. Increment Consuming for Nitrogen Dioxide? **NOT APPLICABLE**

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

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

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

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

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

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

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

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

<p>1. Process Flow Diagram <input checked="" type="checkbox"/> Attached [] Not Applicable [] Waiver Requested Document ID: Appendix C-11</p>
<p>2. Fuel Analysis or Specification <input type="checkbox"/> Attached [<input checked="" type="checkbox"/>] Not Applicable [] Waiver Requested Document ID: _____</p>
<p>3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached [] Not Applicable [] Waiver Requested Document ID: Appendix D-9</p>
<p>4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached [<input checked="" type="checkbox"/>] Not Applicable [] Waiver Requested Document ID: _____</p>
<p>5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached [<input checked="" type="checkbox"/>] Not Applicable Document ID: _____</p>
<p>7. Operation and Maintenance Plan <input type="checkbox"/> Attached [<input checked="" type="checkbox"/>] Not Applicable Document ID: _____</p>
<p>8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached [<input checked="" type="checkbox"/>] Not Applicable Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached [<input checked="" type="checkbox"/>] Not Applicable Document ID: _____</p>

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Composting Bays		
2. ARMS Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. 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 APPLICABLE Manufacturer: _____ Model Number: _____		
9. Generator Nameplate Rating: NOT APPLICABLE MW		
10. Incinerator Information: NOT APPLICABLE Dwell Temperature: _____ °F Dwell Time: _____ seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment: 		

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit Information Section 16 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: 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 Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit Information Section 16 of 17

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

62-210.300 F.A.C.	Stationary Sources - Permits Required
62-213 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: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: Biofilter Beds	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input checked="" type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: 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

Emissions Unit Information Section 16 of 17

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

Emissions Unit 016 - 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): NOT AVAILABLE	
2. Source Classification Code (SCC): NOT AVAILABLE	
3. SCC Units: NOT AVAILABLE	
4. Maximum Hourly Rate: NOT APPLICABLE	5. Maximum Annual Rate: NOT APPLICABLE
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 APPLICABLE	
10. Segment Comment:	

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 1 of 1

1. Pollutant Emitted: 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: See Appendix F-3 Reference:		
9. Emissions Method Code: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: See Appendix F-3		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 16 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

Emissions Unit 016 - 11

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation N/A of N/A

1. Visible Emissions Subtype: Not Applicable			
2. Basis for Allowable Opacity:		<input type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity:			
Normal Conditions:	%	Exceptional Conditions:	%
Maximum Period of Excess Opacity Allowed:			min/hour
4. Method of Compliance:			
5. Visible Emissions Comment:			

G. CONTINUOUS MONITOR INFORMATION

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

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

1. Parameter Code: 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:	

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

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

PSD Increment Consumption Determination

NOT APPLICABLE

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 16 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

<p>1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: Appendix C-12</p>
<p>2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____</p>
<p>3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: Appendix D-10</p>
<p>4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____</p>
<p>5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____</p>
<p>7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable Document ID: Appendix E-4</p>
<p>8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____</p>

Emissions Unit Information Section 16 of 17

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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

Type of Emissions Unit Addressed in This Section

Check one:

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

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

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

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

Emissions Unit Information Section 17 of 17

Emissions Unit Description and Status

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

Emissions Unit 017 - 2

Emissions Unit Control Equipment

A.

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

B.

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

C.

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

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NOT APPLICABLE	mmBtu/hr
2. Maximum Incineration Rate: NOT APPLICABLE	lb/hr tons/day
3. Maximum Process or Throughput Rate: 358,000 tpy (average refuse acceptance 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

Emissions Unit 017 - 4

B. EMISSIONS UNIT REGULATIONS

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

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

NOT APPLICABLE

Emissions Unit 017 - 5

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

62-210.300 F.A.C.	Stationary Sources - Permits Required
62-213 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: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: gas extraction wells with flares.	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NOT APPLICABLE	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input checked="" type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	65 feet
7. Exit Diameter:	0.5 feet
8. Exit Temperature: Gas Flare Temperature =	min 1400 °F
9. Actual Volumetric Flow Rate: NOT APPLICABLE	acfm

Emissions Unit 017 - 7

Emissions Unit Information Section 17 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: Gas extraction wells with flares.	

Emissions Unit 017 - 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): Waste gas flares (MM cu.ft. burned)	
2. Source Classification Code (SCC): 50100410	
3. SCC Units: MM cu.ft. burned	
4. Maximum Hourly Rate: 0.03498	5. Maximum Annual Rate: 306.49
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 APPLICABLE	
10. Segment Comment:	

E. POLLUTANT INFORMATION

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

Pollutant Potential/Estimated Emissions: Pollutant 1 of 4

1. Pollutant Emitted: VOC as nonmethane organic carbon (NMOC)		
2. Total Percent Efficiency of Control:	98 %	
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	0.393 lb/hour	1.72 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: See Appendix F-4 Reference:		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: See Appendix F-4		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 17 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

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: CO₂		
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 8.45 lb/hr/dscfm uncontrolled methane Reference: AP-42		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: $8.45 \text{ lb / hr / dscfm} \times 583.12 \text{ dscfm} = \frac{4927.4 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 17 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

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: NO₂		
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: 0.007 lb/hr/dscfm uncontrolled methane Reference: AP-42		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: $0.007 \text{ lb / hr / dscfm} \times \frac{583.12 \text{ dscfm}}{\text{min}} = \frac{4.08 \text{ lb}}{\text{hr}}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 17 of 17

Allowable Emissions (Pollutant identified on front of page)

A. NOT APPLICABLE

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

B.

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

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: SO₂		
2. Total Percent Efficiency of Control: NOT APPLICABLE		%
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	1.24 lb/hour	5.12 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
8. Emission Factor: See Appendix F-4 Reference:		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: See Appendix F-4		
11. Pollutant Potential/Estimated Emissions Comment:		

Allowable Emissions (Pollutant identified on front of page)

Emissions Unit 017 - 16

Emissions Unit Information Section 17 of 17

A. NOT APPLICABLE

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

B.

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

F. VISIBLE EMISSIONS INFORMATION

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

Visible Emissions Limitation: Visible Emissions Limitation N/A of N/A

1. Visible Emissions Subtype: Not Applicable			
2. Basis for Allowable Opacity:		<input type="checkbox"/> Rule	<input type="checkbox"/> Other
3. Requested Allowable Opacity:			
Normal Conditions:		%	Exceptional Conditions: %
Maximum Period of Excess Opacity Allowed:			min/hour
4. Method of Compliance:			
5. Visible Emissions Comment:			

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:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: Manufacturer: Model Number:	Serial Number:
4. Installation Date (DD-MON-YYYY):	
5. Performance Specification Test Date (DD-MON-YYYY):	
6. Continuous Monitor Comment:	

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

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

PSD Increment Consumption Determination

NOT APPLICABLE

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

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

Emissions Unit Information Section 17 of 17

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

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

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

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.

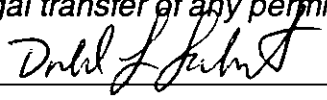
Supplemental Requirements for All Applications

<p>1. Process Flow Diagram <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: Appendix C-13</p>
<p>2. Fuel Analysis or Specification <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____</p>
<p>3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: Appendix D-11</p>
<p>4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Document ID: _____</p>
<p>5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____</p>
<p>7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Not Applicable Document ID: Appendix E-5</p>
<p>8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____</p>
<p>9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Applicable Document ID: _____</p>

Additional Supplemental Requirements for Category I Applications Only

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

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official : Name : Donald Lockhart Title : Executive Director
2. Owner or Authorized Representative or Responsible Official Mailing Address : Organization/Firm : SWA of Palm Beach County Street Address : 7501 North Jog Road City : West Palm Beach State : FL Zip Code : 33412
3. Owner/Authorized Representative or Responsible Official Telephone Numbers : Telephone : (561)640-4000 Fax : (561)683-4067
4. Owner/Authorized Representative or Responsible Official Statement : <i>I, the undersigned, am the owner or authorized representative* of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions units.</i>  _____ Signature Sept 30, 1999 _____ Date

* Attach letter of authorization if not currently on file.

To the best of our knowledge at this time, the emission units operated by the facility are currently in compliance with all applicable requirements.

Compliance Statement

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



Donald Lockhart

Title: Executive Director Date: Sept 30, 1999



Solid Waste Authority of
Palm Beach County

Attachment 1
FDEP Title V Core List of Requirements

Title V Core List**Effective: 3/25/97****[NOTE:**

The Title V Core List is intended to simplify the completion of the "List of Applicable Regulations" that apply facility-wide (see Subsection II.B. of DEP Form No. 62-210.900(1), Application for Air Permit - Long Form). The Title V Core List is a list of rules and regulations to which all Title V Sources are presumptively subject. The Title V Core List may be referenced in its entirety, or with specific exceptions. The Department may periodically update the Title V Core List.

Requirements that apply to emissions units must be identified in Subsection III.B. of DEP Form No. 62-210.900(1), Application for Air Permit - Long Form.

Applicants must identify all "applicable requirements" in order to claim the "permit shield" described at Rule 62-213.460, F.A.C. .]

Federal: *(description)*

40 CFR 61: National Emission Standards for Hazardous Air Pollutants (NESHAP)
40 CFR 61, Subpart M: National Emission Standard for Asbestos.

40 CFR 82: Protection of Stratospheric Ozone.
40 CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC).
40 CFR 82, Subpart F: Recycling and Emissions Reduction.

State: *(description)***CHAPTER 62-4, F.A.C.: PERMITS, effective 10-16-95**

62-4.030, F.A.C.: General Prohibition.
62-4.040, F.A.C.: Exemptions.
62-4.050, F.A.C.: Procedure to Obtain Permits; Application.
62-4.060, F.A.C.: Consultation.
62-4.070, F.A.C.: Standards for Issuing or Denying Permits; Issuance; Denial.
62-4.080, F.A.C.: Modification of Permit Conditions.
62-4.090, F.A.C.: Renewals.
62-4.100, F.A.C.: Suspension and Revocation.
62-4.110, F.A.C.: Financial Responsibility.
62-4.120, F.A.C.: Transfer of Permits.
62-4.130, F.A.C.: Plant Operation - Problems.
62-4.150, F.A.C.: Review.
62-4.160, F.A.C.: Permit Conditions.

Title V Core List

Effective: 03/25/96

62-4.210, F.A.C.: Construction Permits.

62-4.220, F.A.C.: Operation Permit for New Sources.

CHAPTER 62-103, F.A.C.: RULES OF ADMINISTRATIVE PROCEDURE,
effective 12-31-95

62-103.150, F.A.C.: Public Notice of Application and Proposed Agency Action.
62-103.155, F.A.C.: Petition for Administrative Hearing; Waiver of Right to
Administrative Proceeding.

**CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL
REQUIREMENTS,** effective 03-21-96

62-210.300, F.A.C.: Permits Required.
62-210.300(1), F.A.C.: Air Construction Permits.
62-210.300(2), F.A.C.: Air Operation Permits.
62-210.300(3), F.A.C.: Exemptions.
62-210.300(3)(a), F.A.C.: Full Exemptions.
62-210.300(3)(b), F.A.C.: Temporary Exemption.

62-210.300(5), F.A.C.: Notification of Startup.
62-210.300(6), F.A.C.: Emissions Unit Reclassification.

62-210.350, F.A.C.: Public Notice and Comment.
62-210.350(3), F.A.C.: Additional Public Notice Requirements for Facilities Subject to
Operation Permits for Title V Sources.

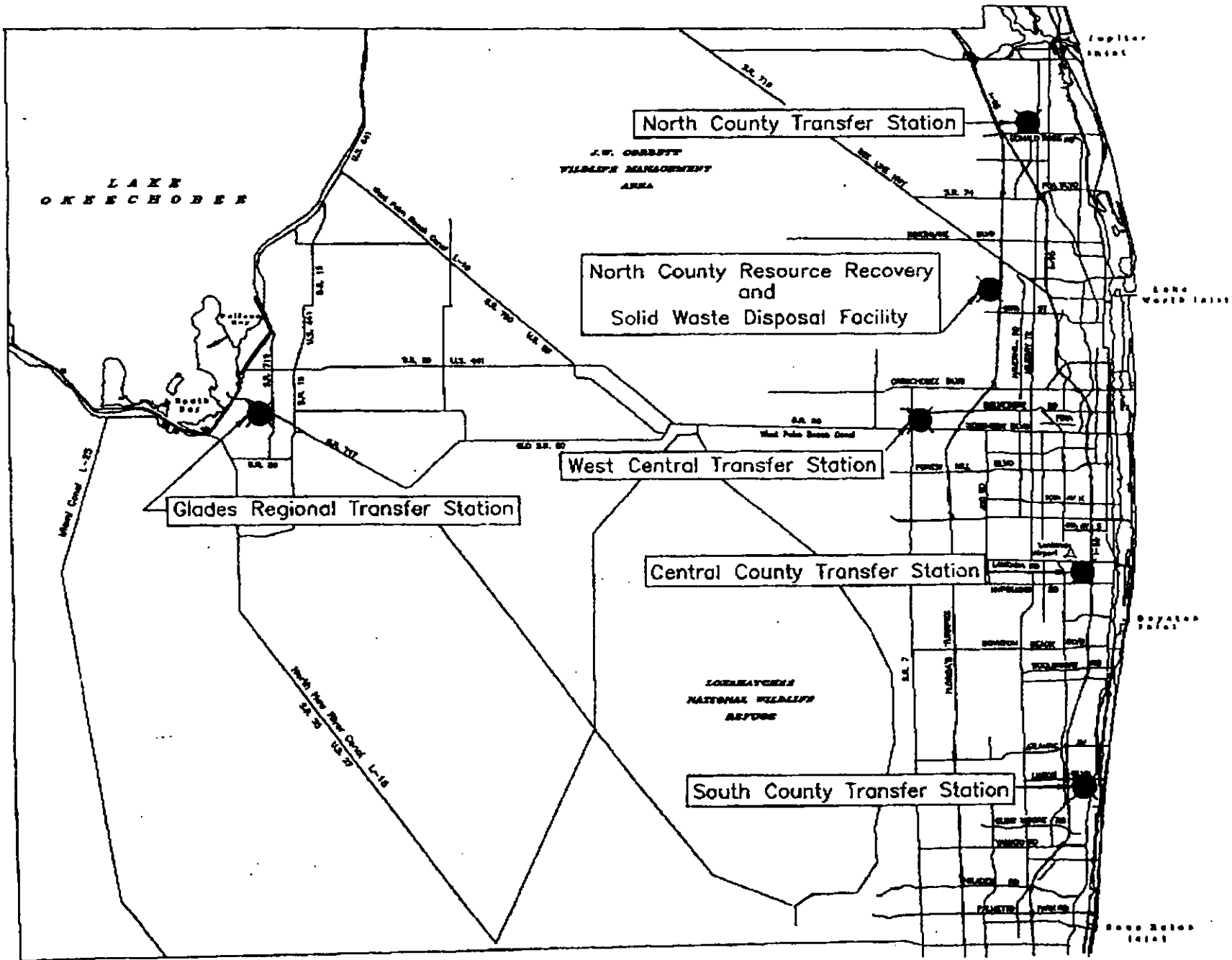
62-210.360, F.A.C.: Administrative Permit Corrections.

62-210.370(3), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility.

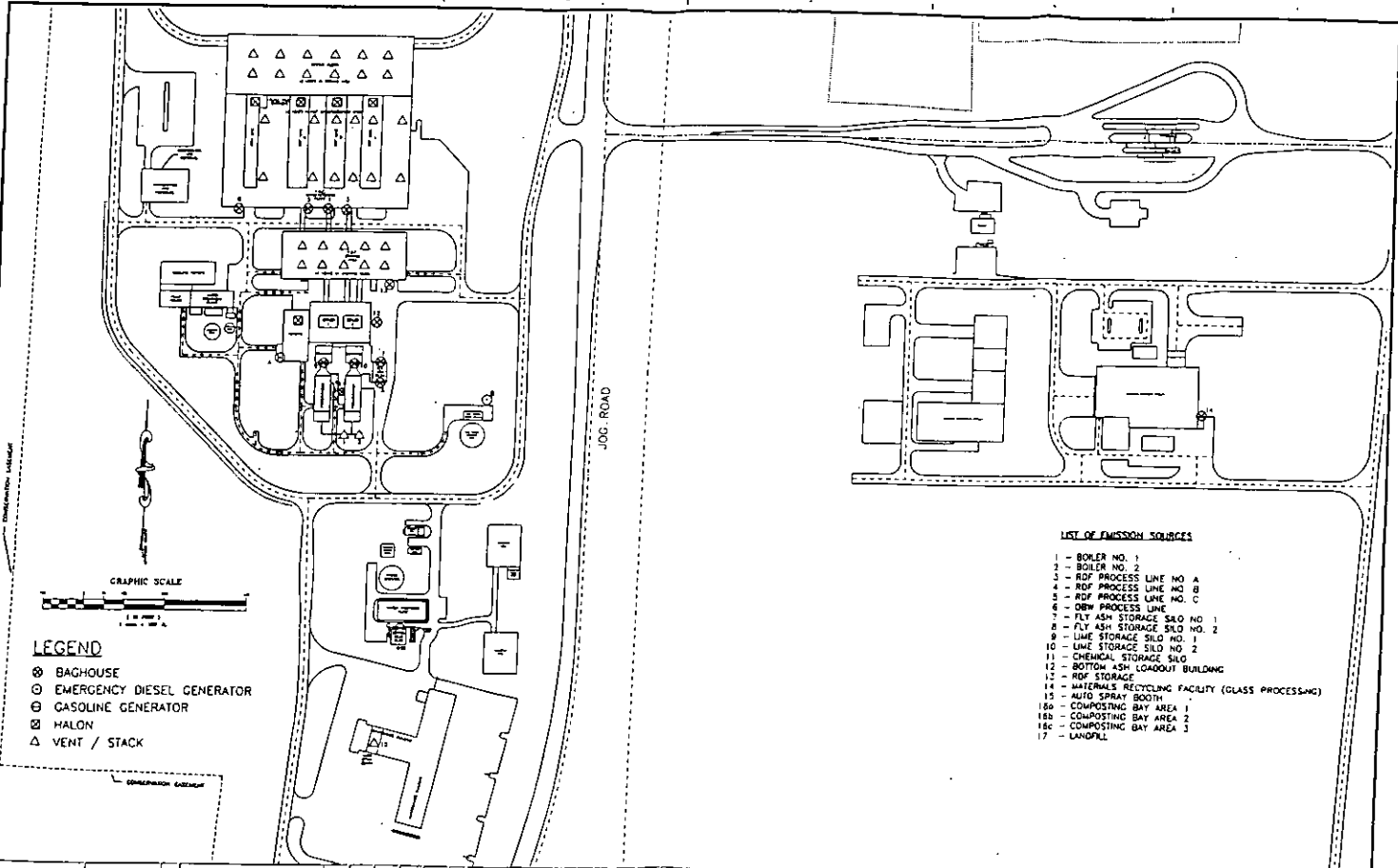
62-210.650, F.A.C.: Circumvention.

62-210.900, F.A.C.: Forms and Instructions.
62-210.900(1) Application for Air Permit - Long Form, Form and Instructions.
62-210.900(5) Annual Operating Report for Air Pollutant Emitting Facility, Form and
Instructions.

Attachment 2
Facility Location



Attachment 3
Facility Plot Plan



LIST OF EMISSION SOURCES

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

LEGEND

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



NO.	REVISIONS	DATE	BY	CHKD.
1	ISSUED FOR PERMIT APPLICATION	1/28/98	T.J.	RE

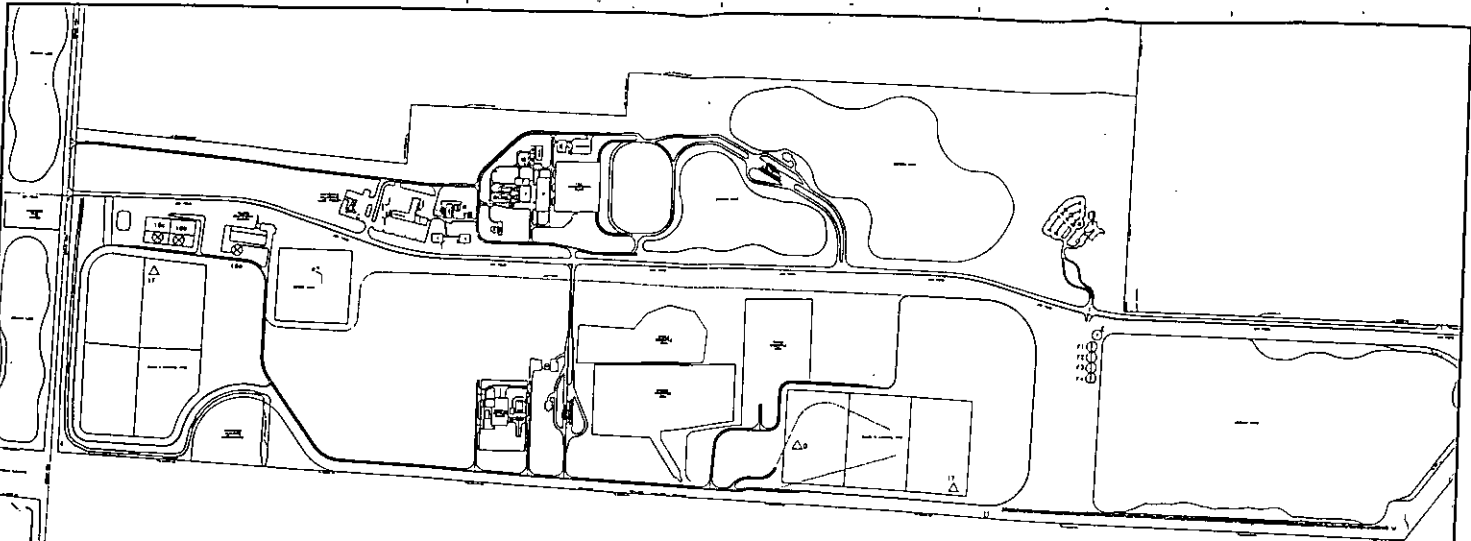
R. LARSON
 J. BRYANT T. FEDESMAN
 SWA
 SOLID WASTE AUTHORITY



NORTH COUNTY REGIONAL
 RESOURCE RECOVERY FACILITY
 PALM BEACH COUNTY, FLORIDA

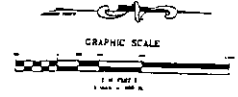
Facility Layout
 with Emission Sources

6/3/98
 As Noted 07187-018-098 G-1 B



LIST OF EMISSION SOURCES

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



LEGEND

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



NO.	REVISIONS	DATE	BY	CHKD.
1	ISSUED FOR PERMIT APPLICATION	07/18/86	JT	JK

R. LARSON
 J. BRITTAIN, J. TROEDMANN
 KELLY BATES-ROBINETT



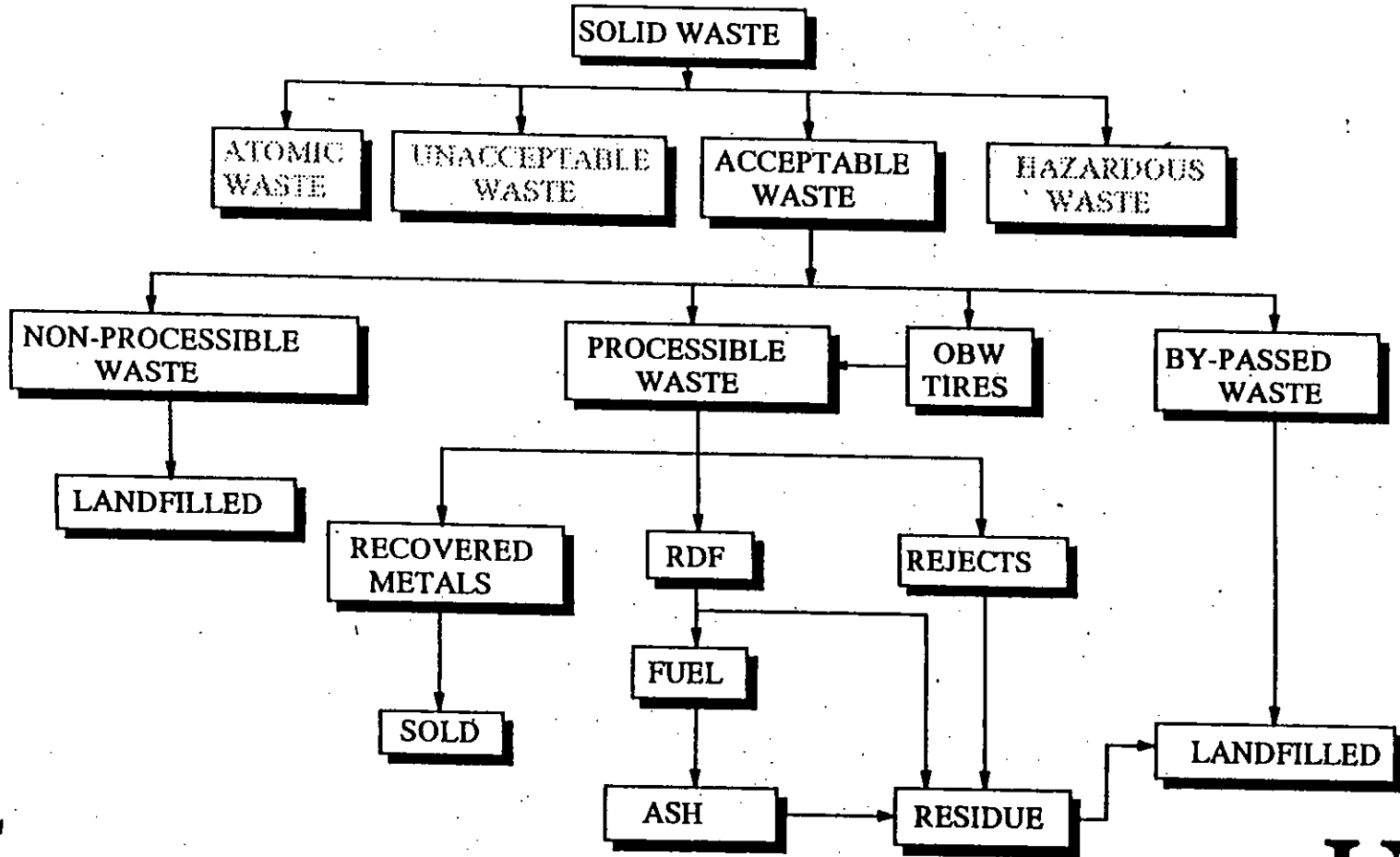
NORTH COUNTY REGIONAL
 RESOURCE RECOVERY FACILITY
 PALM BEACH COUNTY, FLORIDA

Facility Layout
 with Emission Sources

8/3/86
 As Noted 07187-018-006 G-2 8

Attachment 4
Process Flow Diagrams

Figure 3-1
SOLID WASTE FLOW DIAGRAM
 BASED ON CONTRACT DEFINITIONS
 NCRRRF



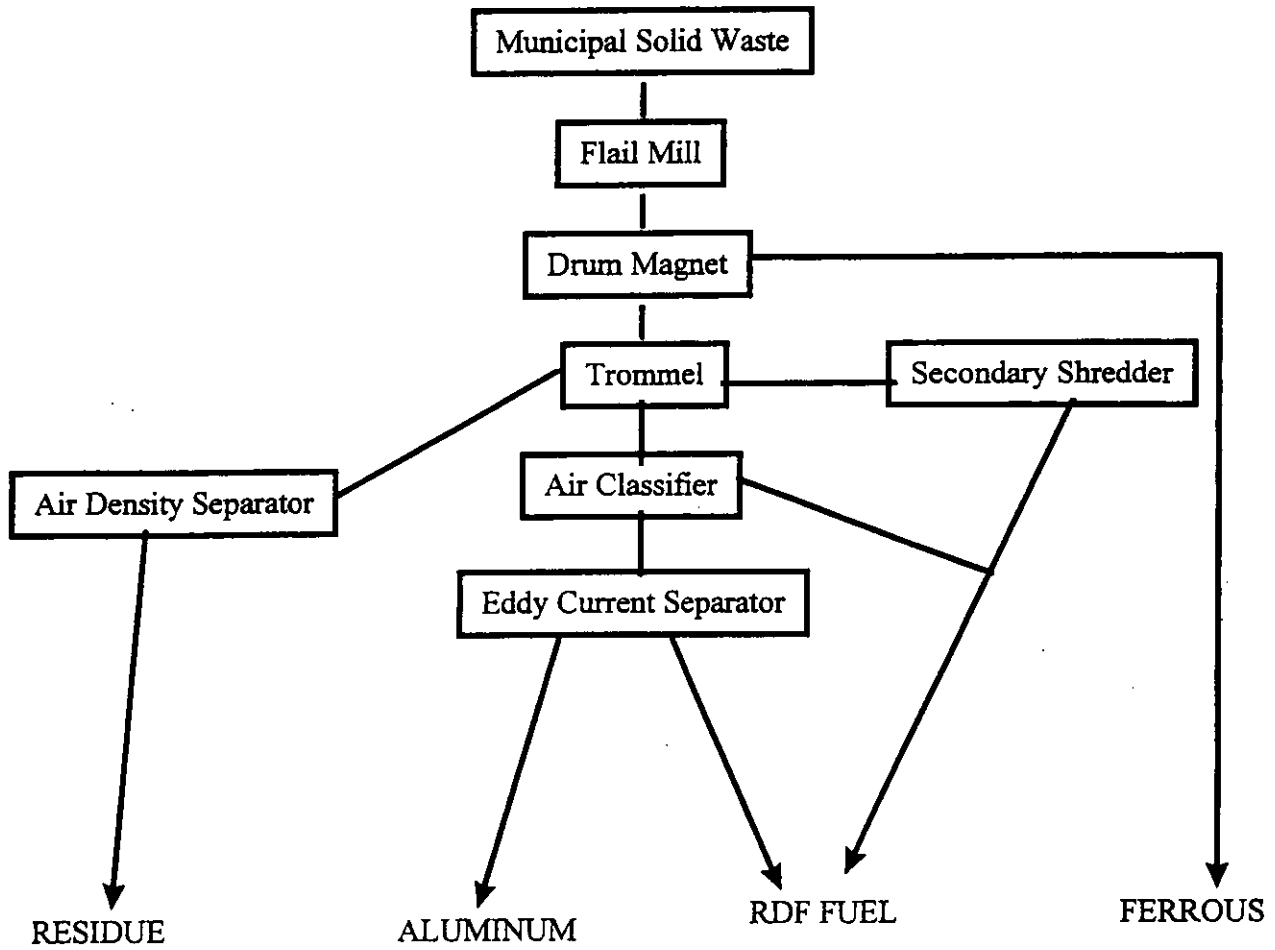
NOTE: Atomic Waste, Unacceptable Waste and Hazardous Waste are not accepted at the NCRRRF.



3-2
 DELIVERED ON PERMITS ONLY

Figure 3-1

RDF Process Flow Diagram



Attachment 5
Precautions for Unconfined Particulate Matter

The facility performs the following procedures to minimize the emissions of unconfined particulate matter.

- e. Landfill roads are sprayed with a water truck
- f. Ash is quenched with water prior to landfilling
- g. Material transfer trucks are tarped

Items e, f, & g. ' proposed by the applicant

Attachment 6
Fugitive Emissions Identification

Fugitive emissions of nonmethane organic compounds (a subset of which are VOCs) are expected from the Class I and Class III landfills. The fugitive emissions are the portions of gas produced in the landfill that are not collected by the gas collection system installed on each of the landfills. These emissions are included in emission unit information sections 9 and 10.

Fugitive emissions of particulate matter resulting from the operation of truck traffic at the facility are discussed in emission unit information section 11.

The facility proposes to classify the following activities/sources as insignificant for Title V permitting purposes.

Source Listed in Original (May 6, 1996) Title V Permit Application

<u>Location</u>	<u>Activity</u>
Resource Recovery Facility	Emergency diesel generator Diesel fire water pump
Utilities Facility	Emergency diesel generator
Household hazardous waste	Laboratory hood
Trash processing, wood waste	Grinder, fugitive dust from
Mulch processing, yard waste	Grinder, fugitive dust from
Tire cutting operations	Diesel generator for segmentizer

Additional Sources Identified as Insignificant

- Two ash storage silos, four lime storage silos, and an ash treatment chemical storage silo (included as emission units 7-11 in May 6, 1996 document). Each of the silos is equipped with a vent filter, which is considered to be an integral part of the equipment and, therefore, not pollution control equipment. The maximum volumetric flow rate from each of the silos is less than 1500 cfm. Assuming full time operation (although the silos only vent to the atmosphere during filling operations) and a filter outlet loading of 0.02 gr/acf (based on experience at other similar facilities), the annual potential to emit for each silo is at most:

$$1500 \text{ cfm} * 0.02 \text{ gr/acf} * 60 \text{ min/hr} * \text{lb}/7000 \text{ gr} * 8760 \text{ hr/yr} * \text{ton}/2000 \text{ lb} \\ = 1.13 \text{ ton PM/yr}$$

Because the potential emissions are less than the 5.0 ton/yr significance threshold, each of the silos is considered to be an insignificant source of particulate matter.

- Bottom ash loadout building, (included as emission unit 12 in May 6, 1996 document). The bottom ash is quenched with water prior to loadout to the trucks. Because the ash is wet, little or no emissions of particulate matter are expected.
- Ferrous processing facility. Operational information shows potential emissions are less than significance threshold.
- Materials recycling facility, (included as emission unit 14 in May 6, 1996 document). This activity no longer occurs.
- Composting facility (included as emission units 16a-16c in May 6, 1996 document). Revised emissions information showed potential emissions are less than significance threshold. This information is available upon request.

Attachment 8
List of Equipment/Activities
Regulated Under Title VI

Appliance Inventory
Solid Waste Authority

Administration Bldg.		7501 North Jog Road	West Palm Beach, FL 33412			Phone: (561) 640-4000			
Appliance	Location	Model	Serial Number	V/Ph/Hz	Charge lbs	Ref. Type	Lubricant	Capacity	Upgrades
Chiller - 01	North East Chiller	CGACDI04RANKK60F	J89F71624	460/1	83.0	HCFC-22	Unknown	200 Tons	NO
Chiller - 02	South West Chiller	CGACDI04RANKK60F	J89F71623		83.0	HCFC-22	Unknown	200 Tons	NO

Attachment 9
Compliance Report and Certification

To the best of our knowledge at this time, the emission units operated by the facility are currently in compliance with all applicable requirements.

Compliance Statement

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

Donald Lockhart

Title: Executive Director Date: _____

Attachment 10
Landfill Gas Emissions Information

NCRRF Emissions Calculations

Title V Permit Application

Emissions information obtained from Landfill Gas Emissions Model, Version 2.01

Maximum emissions occur in the year 2024.

Class I Landfill

Pollutant	Uncontrolled		Fugitive Plus Controlled*			Less than 1000 lb/yr?	Controlled Flare Emissions		Fugitive Emissions	
	Mg/yr	ton/yr	ton/yr	lb/yr	lb/hr**		ton/yr	lb/hr**	ton/yr	lb/hr**
NMOC	151.7	167	44.3	88,627	10.1	NA	2.51	0.573	41.8	9.54
1,1,1-Trichloroethane	0.1894	0.21	0.06	111		YES				
1,1,2-Trichloroethane	0.03946	0.04	0.01	23		YES				
1,1,2,2-Tetrachloroethane	0.5510	0.61	0.16	322		YES				
1,1-Dichloroethane	0.6878	0.76	0.20	402		YES				
1,1-Dichloroethene	0.05734	0.06	0.02	33		YES				
1,2-Dichloroethane	0.1200	0.13	0.04	70		YES				
1,2-Dichloropropane	0.06015	0.07	0.02	35		YES				
Acrylonitrile	0.9933	1.09	0.29	580		YES				
Benzene	0.4413	0.49	0.13	258		YES				
Carbon Disulfide	0.1306	0.14	0.04	76		YES				
Carbon Tetrachloride	0.001820	0.00	0.00	1		YES				
Carbonyl Sulfide	0.08705	0.10	0.03	51		YES				
Chlorobenzene	0.08322	0.09	0.02	49		YES				
Chloroethane	0.2385	0.26	0.07	139		YES				
Chloroform	0.008474	0.01	0.00	5		YES				
Chloromethane	0.1807	0.20	0.05	106		YES				
Dichlorobenzene	0.09130	0.10	0.03	53		YES				
Dichloromethane (H128)	3.592	3.96	1.05	2,099	0.240	NO	0.0594	0.0136	0.990	0.226
Ethylbenzene	1.448	1.60	0.42	846		YES				
Ethylene Dibromide	0.0005557	0.00	0.00	0		YES				
Hexane	1.675	1.85	0.49	979		YES				
Mercury	0.0001501	0.00	0.00	0		YES				
Methyl Ethyl Ketone	1.512	1.67	0.44	883		YES				
Methyl Isobutyl Ketone	0.5539	0.61	0.16	324		YES				
Perchloroethylene (H167)	1.829	2.02	0.53	1,069	0.122	NO	0.0302	0.00690	0.504	0.115
Toluene (H169)	10.71	11.8	3.1	6,257	0.714	NO	0.177	0.0404	2.95	0.674
Trichloroethene	1.096	1.21	0.32	640		YES				
Vinyl Chloride	1.357	1.50	0.40	793		YES				
Xylene (H186)	3.799	4.19	1.11	2,219	0.253	NO	0.0628	0.0143	1.05	0.239
Total HAPS (HAPS)		34.8	9.2	18,423	1.33		0.521	0.119	8.69	1.98

* Calculated based on assumed 75% collection and 98% destruction of collected gas.

** Calculated based on 8760 hours per year.

NOTE: Bold denotes that the emission unit (fugitive plus controlled) pollutant emissions are greater than the Title V inclusion thresholds and so were included in the permit application. Total HAP threshold is 2500 lb/yr.

NCRRF Emissions Calculations
 Title V Permit Application
 Emissions information obtained from Landfill Gas Emissions Model, Version 2.01
 Maximum emissions occur in the year 2024.

Class I Landfill

Maximum methane generation rate = 35,550,000 m³/yr

Obtained from Landfill Gas Emissions Model, version 2.01

Potential SO₂ Sample Calculation

Volume emission rate of sulfur (equation 3 from AP-42, Chapter 2.4, Supplement E) is:

$$Q_S = 1.82 Q_{CH_4} \cdot C_S / (1 \times 10^6)$$

where:

Q_S = Emission rate of sulfur, m³/yr

Q_{CH₄} = Methane generation rate, m³/yr (see above)

C_S = Concentration of sulfur compounds in landfill gas, m³/yr (46.9 ppm, from AP-42, Chapter 2.4, Supplement E)

1.82 = Multiplication factor (assumes landfill gas is 55% methane)

$$Q_S = 1.82 \cdot 35,550,000 \cdot 46.9 / 1,000,000 = 3034 \text{ m}^3/\text{yr}$$

Uncontrolled mass emission rate of sulfur is (equation 4 from AP-42, Chapter 2.4, Supplement E) is:

$$UM_S = Q_S \cdot MW_S \cdot 1 \text{ atm} / [8.205 \times 10^{-5} \text{ m}^3 \cdot \text{atm} / \text{g} \cdot \text{mol} \cdot \text{K} \cdot 1000 \text{ g} / \text{kg} \cdot (273 + T \cdot \text{K})]$$

where:

UM_S = Uncontrolled mass emission rate of sulfur, kg/yr

MW_S = Molecular weight of sulfur, m³/yr (32 g/g-mol)

T = Temperature of landfill gas, °C (assumed as 25 °C, per AP-42, Chapter 2.4, Supplement E)

$$UM_S = 3034 \cdot 32 / [8.205 \times 10^{-5} \cdot 1000 \cdot (273 + 25)] = 3971 \text{ kg}/\text{yr}$$

Controlled mass emission rate of sulfur dioxide is (equation 7 from AP-42, Chapter 2.4, Supplement E) is:

$$CM_{SO_2} = UM_S \cdot \eta_{col} / 100 \cdot 2.0 \cdot 2.2046 \text{ lb} / \text{kg} \cdot \text{ton} / 2000 \text{ lb}$$

where:

CM_{SO₂} = Controlled mass emission rate of sulfur dioxide, ton/yr

η_{col} = Collection efficiency of system (assumed 75%, per AP-42, Chapter 2.4, Supplement E)

2.0 = Ratio of the molecular weight of SO₂ to the molecular weight of S. (Note - the ratio for HCl to Cl is 1.03.)

$$CM_S = 3971 \cdot 75 / 100 \cdot 2.0 \cdot 2.2046 / 2000 = 6.57 \text{ ton}_{SO_2}/\text{yr}$$

Compound	Molecular Weight (of constituent atom)	Median Conc (ppm)	Volume Emissions (constituent atom) (m ³ /yr)	Uncontrolled Emissions (constituent atom) (kg/yr)	Controlled Emissions (compound) (ton/yr)	Controlled Emissions (compound) (lb/hr)
Sulfur dioxide	32.00	46.9	3034	3971	6.57	1.50
Hydrogen chloride	34.45	42.0	2717	3829	3.26	0.74

387

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Methane Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	6.201E+02	9.295E+05
1992	4.648E+05	1.216E+03	1.823E+06
1993	7.083E+05	1.818E+03	2.725E+06
1994	9.049E+05	2.271E+03	3.405E+06
1995	1.056E+06	2.587E+03	3.878E+06
1996	1.212E+06	2.901E+03	4.348E+06
1997	1.394E+06	3.274E+03	4.907E+06
1998	1.539E+06	3.532E+03	5.294E+06
1999	1.717E+06	3.867E+03	5.796E+06
2000	1.917E+06	4.249E+03	6.369E+06
2001	2.140E+06	4.677E+03	7.011E+06
2002	2.385E+06	5.148E+03	7.717E+06
2003	2.650E+06	5.653E+03	8.474E+06
2004	2.919E+06	6.151E+03	9.219E+06
2005	3.193E+06	6.640E+03	9.953E+06
2006	3.472E+06	7.123E+03	1.068E+07
2007	3.754E+06	7.598E+03	1.139E+07
2008	4.041E+06	8.066E+03	1.209E+07
2009	4.333E+06	8.527E+03	1.278E+07
2010	4.628E+06	8.982E+03	1.346E+07
2011	4.928E+06	9.431E+03	1.414E+07
2012	5.233E+06	9.874E+03	1.480E+07
2013	5.542E+06	1.031E+04	1.545E+07
2014	5.855E+06	1.074E+04	1.610E+07
2015	6.173E+06	1.117E+04	1.674E+07
2016	6.495E+06	1.159E+04	1.737E+07
2017	6.822E+06	1.201E+04	1.800E+07
2018	7.153E+06	1.242E+04	1.862E+07
2019	7.488E+06	1.283E+04	1.923E+07
2020	7.828E+06	1.323E+04	1.984E+07
2021	8.173E+06	1.363E+04	2.044E+07
2022	8.517E+06	1.402E+04	2.101E+07
2023	8.862E+06	1.439E+04	2.157E+07
2024	9.206E+06	1.474E+04	2.210E+07
2025	9.206E+06	1.417E+04	2.123E+07

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	NMOC Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	5.456E+00	1.522E+03
1992	6.396E+05	1.070E+01	2.985E+03
1993	9.302E+05	1.524E+01	4.251E+03
1994	1.236E+06	1.985E+01	5.538E+03
1995	1.624E+06	2.570E+01	7.169E+03
1996	1.961E+06	3.044E+01	8.493E+03
1997	2.302E+06	3.507E+01	9.783E+03
1998	2.664E+06	3.987E+01	1.112E+04
1999	3.022E+06	4.441E+01	1.239E+04
2000	3.376E+06	4.871E+01	1.359E+04
2001	3.725E+06	5.276E+01	1.472E+04
2002	4.070E+06	5.658E+01	1.578E+04
2003	4.413E+06	6.021E+01	1.680E+04
2004	4.770E+06	6.393E+01	1.784E+04
2005	5.140E+06	6.775E+01	1.890E+04
2006	5.525E+06	7.166E+01	1.999E+04
2007	5.923E+06	7.564E+01	2.110E+04
2008	6.334E+06	7.969E+01	2.223E+04
2009	6.759E+06	8.382E+01	2.338E+04
2010	7.198E+06	8.801E+01	2.455E+04
2011	7.650E+06	9.228E+01	2.574E+04
2012	8.116E+06	9.661E+01	2.695E+04
2013	8.596E+06	1.010E+02	2.818E+04
2014	9.089E+06	1.055E+02	2.942E+04
2015	9.596E+06	1.100E+02	3.068E+04
2016	1.012E+07	1.146E+02	3.196E+04
2017	1.065E+07	1.192E+02	3.325E+04
2018	1.120E+07	1.239E+02	3.456E+04
2019	1.176E+07	1.286E+02	3.588E+04
2020	1.234E+07	1.334E+02	3.721E+04
2021	1.293E+07	1.382E+02	3.856E+04
2022	1.352E+07	1.429E+02	3.986E+04
2023	1.411E+07	1.474E+02	4.111E+04
2024	1.470E+07	1.517E+02	4.231E+04
2025	1.470E+07	1.457E+02	4.065E+04

Source: D:\LANDFI-2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,1,1-Trichloroethane (HAP)
Molecular Wt = 133.41 Concentration = 0.480000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1,1-Trichloroethane (HAP) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	6.814E-03	1.228E+00
1992	6.396E+05	1.336E-02	2.408E+00
1993	9.302E+05	1.903E-02	3.429E+00
1994	1.236E+06	2.479E-02	4.468E+00
1995	1.624E+06	3.209E-02	5.784E+00
1996	1.961E+06	3.802E-02	6.852E+00
1997	2.302E+06	4.379E-02	7.893E+00
1998	2.664E+06	4.980E-02	8.974E+00
1999	3.022E+06	5.547E-02	9.996E+00
2000	3.376E+06	6.083E-02	1.096E+01
2001	3.725E+06	6.589E-02	1.187E+01
2002	4.070E+06	7.065E-02	1.273E+01
2003	4.413E+06	7.519E-02	1.355E+01
2004	4.770E+06	7.984E-02	1.439E+01
2005	5.140E+06	8.461E-02	1.525E+01
2006	5.525E+06	8.949E-02	1.613E+01
2007	5.923E+06	9.446E-02	1.702E+01
2008	6.334E+06	9.952E-02	1.794E+01
2009	6.759E+06	1.047E-01	1.886E+01
2010	7.198E+06	1.099E-01	1.981E+01
2011	7.650E+06	1.152E-01	2.077E+01
2012	8.116E+06	1.207E-01	2.174E+01
2013	8.596E+06	1.261E-01	2.273E+01
2014	9.089E+06	1.317E-01	2.373E+01
2015	9.596E+06	1.373E-01	2.475E+01
2016	1.012E+07	1.431E-01	2.578E+01
2017	1.065E+07	1.488E-01	2.682E+01
2018	1.120E+07	1.547E-01	2.788E+01
2019	1.176E+07	1.606E-01	2.894E+01
2020	1.234E+07	1.666E-01	3.002E+01
2021	1.293E+07	1.726E-01	3.111E+01
2022	1.352E+07	1.784E-01	3.216E+01
2023	1.411E+07	1.840E-01	3.316E+01
2024	1.470E+07	1.894E-01	3.413E+01
2025	1.470E+07	1.820E-01	3.279E+01

Source: D:\LANDFI~2.01\SWACL.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,1,2-Trichloroethane (HAP/VOC)
Molecular Wt = 133.41 Concentration = 0.100000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1,2-Trichloroethane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	1.420E-03	2.558E-01
1992	6.396E+05	2.783E-03	5.016E-01
1993	9.302E+05	3.965E-03	7.145E-01
1994	1.236E+06	5.165E-03	9.308E-01
1995	1.624E+06	6.686E-03	1.205E+00
1996	1.961E+06	7.921E-03	1.427E+00
1997	2.302E+06	9.124E-03	1.644E+00
1998	2.664E+06	1.037E-02	1.870E+00
1999	3.022E+06	1.156E-02	2.082E+00
2000	3.376E+06	1.267E-02	2.284E+00
2001	3.725E+06	1.373E-02	2.474E+00
2002	4.070E+06	1.472E-02	2.653E+00
2003	4.413E+06	1.566E-02	2.823E+00
2004	4.770E+06	1.663E-02	2.998E+00
2005	5.140E+06	1.763E-02	3.177E+00
2006	5.525E+06	1.864E-02	3.360E+00
2007	5.923E+06	1.968E-02	3.547E+00
2008	6.334E+06	2.073E-02	3.737E+00
2009	6.759E+06	2.181E-02	3.930E+00
2010	7.198E+06	2.290E-02	4.127E+00
2011	7.650E+06	2.401E-02	4.327E+00
2012	8.116E+06	2.514E-02	4.530E+00
2013	8.596E+06	2.628E-02	4.736E+00
2014	9.089E+06	2.744E-02	4.945E+00
2015	9.596E+06	2.861E-02	5.156E+00
2016	1.012E+07	2.980E-02	5.371E+00
2017	1.065E+07	3.101E-02	5.588E+00
2018	1.120E+07	3.223E-02	5.808E+00
2019	1.176E+07	3.346E-02	6.030E+00
2020	1.234E+07	3.470E-02	6.254E+00
2021	1.293E+07	3.596E-02	6.481E+00
2022	1.352E+07	3.718E-02	6.700E+00
2023	1.411E+07	3.834E-02	6.909E+00
2024	1.470E+07	3.946E-02	7.111E+00
2025	1.470E+07	3.791E-02	6.832E+00

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,1,2,2-Tetrachloroethane (HAP/VOC)
Molecular Wt = 167.85 Concentration = 1.110000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1,2,2-Tetrachloroethane (HAP/VOC) Emission Rat		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	1.982E-02	2.840E+00
1992	6.396E+05	3.887E-02	5.568E+00
1993	9.302E+05	5.537E-02	7.931E+00
1994	1.236E+06	7.213E-02	1.033E+01
1995	1.624E+06	9.337E-02	1.337E+01
1996	1.961E+06	1.106E-01	1.584E+01
1997	2.302E+06	1.274E-01	1.825E+01
1998	2.664E+06	1.449E-01	2.075E+01
1999	3.022E+06	1.614E-01	2.312E+01
2000	3.376E+06	1.770E-01	2.535E+01
2001	3.725E+06	1.917E-01	2.746E+01
2002	4.070E+06	2.056E-01	2.944E+01
2003	4.413E+06	2.188E-01	3.133E+01
2004	4.770E+06	2.323E-01	3.327E+01
2005	5.140E+06	2.462E-01	3.526E+01
2006	5.525E+06	2.604E-01	3.730E+01
2007	5.923E+06	2.748E-01	3.937E+01
2008	6.334E+06	2.896E-01	4.148E+01
2009	6.759E+06	3.045E-01	4.362E+01
2010	7.198E+06	3.198E-01	4.581E+01
2011	7.650E+06	3.353E-01	4.803E+01
2012	8.116E+06	3.510E-01	5.028E+01
2013	8.596E+06	3.670E-01	5.257E+01
2014	9.089E+06	3.832E-01	5.489E+01
2015	9.596E+06	3.996E-01	5.724E+01
2016	1.012E+07	4.162E-01	5.962E+01
2017	1.065E+07	4.331E-01	6.203E+01
2018	1.120E+07	4.501E-01	6.447E+01
2019	1.176E+07	4.673E-01	6.693E+01
2020	1.234E+07	4.847E-01	6.942E+01
2021	1.293E+07	5.023E-01	7.194E+01
2022	1.352E+07	5.192E-01	7.437E+01
2023	1.411E+07	5.354E-01	7.669E+01
2024	1.470E+07	5.510E-01	7.893E+01
2025	1.470E+07	5.294E-01	7.583E+01

Source: D:\LANDFI-2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : 1,1-Dichloroethane (HAP/VOC)
 Molecular Wt = 98.96 Concentration = 2.350000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2027 Closure Year: 2027
 Capacity : 14699900 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1-Dichloroethane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	2.475E-02	6.012E+00
1992	6.396E+05	4.852E-02	1.179E+01
1993	9.302E+05	6.911E-02	1.679E+01
1994	1.236E+06	9.003E-02	2.187E+01
1995	1.624E+06	1.165E-01	2.832E+01
1996	1.961E+06	1.381E-01	3.355E+01
1997	2.302E+06	1.590E-01	3.864E+01
1998	2.664E+06	1.808E-01	4.393E+01
1999	3.022E+06	2.014E-01	4.894E+01
2000	3.376E+06	2.209E-01	5.367E+01
2001	3.725E+06	2.393E-01	5.814E+01
2002	4.070E+06	2.566E-01	6.234E+01
2003	4.413E+06	2.731E-01	6.634E+01
2004	4.770E+06	2.899E-01	7.044E+01
2005	5.140E+06	3.073E-01	7.465E+01
2006	5.525E+06	3.250E-01	7.896E+01
2007	5.923E+06	3.430E-01	8.334E+01
2008	6.334E+06	3.614E-01	8.781E+01
2009	6.759E+06	3.801E-01	9.235E+01
2010	7.198E+06	3.992E-01	9.698E+01
2011	7.650E+06	4.185E-01	1.017E+02
2012	8.116E+06	4.382E-01	1.065E+02
2013	8.596E+06	4.581E-01	1.113E+02
2014	9.089E+06	4.783E-01	1.162E+02
2015	9.596E+06	4.988E-01	1.212E+02
2016	1.012E+07	5.195E-01	1.262E+02
2017	1.065E+07	5.405E-01	1.313E+02
2018	1.120E+07	5.618E-01	1.365E+02
2019	1.176E+07	5.832E-01	1.417E+02
2020	1.234E+07	6.050E-01	1.470E+02
2021	1.293E+07	6.269E-01	1.523E+02
2022	1.352E+07	6.480E-01	1.574E+02
2023	1.411E+07	6.683E-01	1.624E+02
2024	1.470E+07	6.878E-01	1.671E+02
2025	1.470E+07	6.608E-01	1.605E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,1-Dichloroethene (HAP/VOC)
Molecular Wt = 96.94 Concentration = 0.200000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1-Dichloroethene (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	2.063E-03	5.116E-01
1992	6.396E+05	4.045E-03	1.003E+00
1993	9.302E+05	5.762E-03	1.429E+00
1994	1.236E+06	7.506E-03	1.862E+00
1995	1.624E+06	9.716E-03	2.410E+00
1996	1.961E+06	1.151E-02	2.855E+00
1997	2.302E+06	1.326E-02	3.289E+00
1998	2.664E+06	1.508E-02	3.739E+00
1999	3.022E+06	1.679E-02	4.165E+00
2000	3.376E+06	1.842E-02	4.567E+00
2001	3.725E+06	1.995E-02	4.948E+00
2002	4.070E+06	2.139E-02	5.305E+00
2003	4.413E+06	2.276E-02	5.646E+00
2004	4.770E+06	2.417E-02	5.995E+00
2005	5.140E+06	2.562E-02	6.353E+00
2006	5.525E+06	2.709E-02	6.720E+00
2007	5.923E+06	2.860E-02	7.093E+00
2008	6.334E+06	3.013E-02	7.473E+00
2009	6.759E+06	3.169E-02	7.860E+00
2010	7.198E+06	3.328E-02	8.253E+00
2011	7.650E+06	3.489E-02	8.654E+00
2012	8.116E+06	3.653E-02	9.060E+00
2013	8.596E+06	3.819E-02	9.472E+00
2014	9.089E+06	3.987E-02	9.889E+00
2015	9.596E+06	4.158E-02	1.031E+01
2016	1.012E+07	4.331E-02	1.074E+01
2017	1.065E+07	4.506E-02	1.118E+01
2018	1.120E+07	4.683E-02	1.162E+01
2019	1.176E+07	4.862E-02	1.206E+01
2020	1.234E+07	5.043E-02	1.251E+01
2021	1.293E+07	5.227E-02	1.296E+01
2022	1.352E+07	5.403E-02	1.340E+01
2023	1.411E+07	5.572E-02	1.382E+01
2024	1.470E+07	5.734E-02	1.422E+01
2025	1.470E+07	5.509E-02	1.366E+01

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,2-Dichloroethane (HAP/VOC)
Molecular Wt = 98.96 Concentration = 0.410000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,2-Dichloroethane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	4.317E-03	1.049E+00
1992	6.396E+05	8.465E-03	2.057E+00
1993	9.302E+05	1.206E-02	2.929E+00
1994	1.236E+06	1.571E-02	3.816E+00
1995	1.624E+06	2.033E-02	4.940E+00
1996	1.961E+06	2.409E-02	5.853E+00
1997	2.302E+06	2.775E-02	6.742E+00
1998	2.664E+06	3.155E-02	7.665E+00
1999	3.022E+06	3.514E-02	8.538E+00
2000	3.376E+06	3.854E-02	9.363E+00
2001	3.725E+06	4.175E-02	1.014E+01
2002	4.070E+06	4.477E-02	1.088E+01
2003	4.413E+06	4.764E-02	1.157E+01
2004	4.770E+06	5.059E-02	1.229E+01
2005	5.140E+06	5.361E-02	1.302E+01
2006	5.525E+06	5.670E-02	1.378E+01
2007	5.923E+06	5.985E-02	1.454E+01
2008	6.334E+06	6.306E-02	1.532E+01
2009	6.759E+06	6.632E-02	1.611E+01
2010	7.198E+06	6.964E-02	1.692E+01
2011	7.650E+06	7.302E-02	1.774E+01
2012	8.116E+06	7.645E-02	1.857E+01
2013	8.596E+06	7.992E-02	1.942E+01
2014	9.089E+06	8.344E-02	2.027E+01
2015	9.596E+06	8.702E-02	2.114E+01
2016	1.012E+07	9.064E-02	2.202E+01
2017	1.065E+07	9.431E-02	2.291E+01
2018	1.120E+07	9.801E-02	2.381E+01
2019	1.176E+07	1.018E-01	2.472E+01
2020	1.234E+07	1.055E-01	2.564E+01
2021	1.293E+07	1.094E-01	2.657E+01
2022	1.352E+07	1.131E-01	2.747E+01
2023	1.411E+07	1.166E-01	2.833E+01
2024	1.470E+07	1.200E-01	2.915E+01
2025	1.470E+07	1.153E-01	2.801E+01

Source: D:\LANDFI~2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,2-Dichloropropane (HAP/VOC)
Molecular Wt = 112.99 Concentration = 0.180000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,2-Dichloropropane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	2.164E-03	4.605E-01
1992	6.396E+05	4.243E-03	9.029E-01
1993	9.302E+05	6.044E-03	1.286E+00
1994	1.236E+06	7.874E-03	1.675E+00
1995	1.624E+06	1.019E-02	2.169E+00
1996	1.961E+06	1.208E-02	2.569E+00
1997	2.302E+06	1.391E-02	2.960E+00
1998	2.664E+06	1.582E-02	3.365E+00
1999	3.022E+06	1.762E-02	3.748E+00
2000	3.376E+06	1.932E-02	4.111E+00
2001	3.725E+06	2.093E-02	4.453E+00
2002	4.070E+06	2.244E-02	4.775E+00
2003	4.413E+06	2.388E-02	5.081E+00
2004	4.770E+06	2.536E-02	5.396E+00
2005	5.140E+06	2.687E-02	5.718E+00
2006	5.525E+06	2.842E-02	6.048E+00
2007	5.923E+06	3.000E-02	6.384E+00
2008	6.334E+06	3.161E-02	6.726E+00
2009	6.759E+06	3.324E-02	7.074E+00
2010	7.198E+06	3.491E-02	7.428E+00
2011	7.650E+06	3.660E-02	7.788E+00
2012	8.116E+06	3.832E-02	8.154E+00
2013	8.596E+06	4.006E-02	8.524E+00
2014	9.089E+06	4.183E-02	8.900E+00
2015	9.596E+06	4.362E-02	9.282E+00
2016	1.012E+07	4.544E-02	9.668E+00
2017	1.065E+07	4.727E-02	1.006E+01
2018	1.120E+07	4.913E-02	1.045E+01
2019	1.176E+07	5.101E-02	1.085E+01
2020	1.234E+07	5.291E-02	1.126E+01
2021	1.293E+07	5.483E-02	1.167E+01
2022	1.352E+07	5.667E-02	1.206E+01
2023	1.411E+07	5.845E-02	1.244E+01
2024	1.470E+07	6.015E-02	1.280E+01
2025	1.470E+07	5.779E-02	1.230E+01

Source: D:\LANDFI~2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 l/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Acrylonitrile (HAP/VOC)
 Molecular Wt = 53.06 Concentration = 6.330000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2027 Closure Year: 2027
 Capacity : 14699900 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Acrylonitrile (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	3.574E-02	1.619E+01
1992	6.396E+05	7.008E-02	3.175E+01
1993	9.302E+05	9.981E-02	4.523E+01
1994	1.236E+06	1.300E-01	5.892E+01
1995	1.624E+06	1.683E-01	7.627E+01
1996	1.961E+06	1.994E-01	9.036E+01
1997	2.302E+06	2.297E-01	1.041E+02
1998	2.664E+06	2.612E-01	1.183E+02
1999	3.022E+06	2.909E-01	1.318E+02
2000	3.376E+06	3.190E-01	1.446E+02
2001	3.725E+06	3.456E-01	1.566E+02
2002	4.070E+06	3.706E-01	1.679E+02
2003	4.413E+06	3.944E-01	1.787E+02
2004	4.770E+06	4.188E-01	1.897E+02
2005	5.140E+06	4.438E-01	2.011E+02
2006	5.525E+06	4.694E-01	2.127E+02
2007	5.923E+06	4.954E-01	2.245E+02
2008	6.334E+06	5.220E-01	2.365E+02
2009	6.759E+06	5.490E-01	2.488E+02
2010	7.198E+06	5.765E-01	2.612E+02
2011	7.650E+06	6.045E-01	2.739E+02
2012	8.116E+06	6.328E-01	2.867E+02
2013	8.596E+06	6.616E-01	2.998E+02
2014	9.089E+06	6.908E-01	3.130E+02
2015	9.596E+06	7.203E-01	3.264E+02
2016	1.012E+07	7.503E-01	3.400E+02
2017	1.065E+07	7.807E-01	3.537E+02
2018	1.120E+07	8.113E-01	3.676E+02
2019	1.176E+07	8.424E-01	3.817E+02
2020	1.234E+07	8.737E-01	3.959E+02
2021	1.293E+07	9.054E-01	4.103E+02
2022	1.352E+07	9.359E-01	4.241E+02
2023	1.411E+07	9.652E-01	4.374E+02
2024	1.470E+07	9.933E-01	4.501E+02
2025	1.470E+07	9.544E-01	4.325E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Benzene (HAP/VOC)
 Molecular Wt = 78.12 Concentration = 1.910000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2027 Closure Year: 2027
 Capacity : 14699900 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Benzene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	1.588E-02	4.886E+00
1992	6.396E+05	3.113E-02	9.581E+00
1993	9.302E+05	4.434E-02	1.365E+01
1994	1.236E+06	5.776E-02	1.778E+01
1995	1.624E+06	7.478E-02	2.301E+01
1996	1.961E+06	8.859E-02	2.726E+01
1997	2.302E+06	1.020E-01	3.141E+01
1998	2.664E+06	1.160E-01	3.571E+01
1999	3.022E+06	1.292E-01	3.978E+01
2000	3.376E+06	1.417E-01	4.362E+01
2001	3.725E+06	1.535E-01	4.725E+01
2002	4.070E+06	1.646E-01	5.067E+01
2003	4.413E+06	1.752E-01	5.392E+01
2004	4.770E+06	1.860E-01	5.725E+01
2005	5.140E+06	1.971E-01	6.067E+01
2006	5.525E+06	2.085E-01	6.417E+01
2007	5.923E+06	2.201E-01	6.774E+01
2008	6.334E+06	2.319E-01	7.137E+01
2009	6.759E+06	2.439E-01	7.506E+01
2010	7.198E+06	2.561E-01	7.882E+01
2011	7.650E+06	2.685E-01	8.264E+01
2012	8.116E+06	2.811E-01	8.652E+01
2013	8.596E+06	2.939E-01	9.045E+01
2014	9.089E+06	3.069E-01	9.444E+01
2015	9.596E+06	3.200E-01	9.849E+01
2016	1.012E+07	3.333E-01	1.026E+02
2017	1.065E+07	3.468E-01	1.067E+02
2018	1.120E+07	3.604E-01	1.109E+02
2019	1.176E+07	3.742E-01	1.152E+02
2020	1.234E+07	3.881E-01	1.195E+02
2021	1.293E+07	4.022E-01	1.238E+02
2022	1.352E+07	4.158E-01	1.280E+02
2023	1.411E+07	4.288E-01	1.320E+02
2024	1.470E+07	4.413E-01	1.358E+02
2025	1.470E+07	4.240E-01	1.305E+02

Source: D:\LANDFI-2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Carbon Disulfide (HAP/VOC)
Molecular Wt = 76.14 Concentration = 0.580000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Carbon Disulfide (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	4.699E-03	1.484E+00
1992	6.396E+05	9.214E-03	2.909E+00
1993	9.302E+05	1.312E-02	4.144E+00
1994	1.236E+06	1.710E-02	5.399E+00
1995	1.624E+06	2.213E-02	6.988E+00
1996	1.961E+06	2.622E-02	8.279E+00
1997	2.302E+06	3.020E-02	9.537E+00
1998	2.664E+06	3.434E-02	1.084E+01
1999	3.022E+06	3.825E-02	1.208E+01
2000	3.376E+06	4.195E-02	1.325E+01
2001	3.725E+06	4.544E-02	1.435E+01
2002	4.070E+06	4.872E-02	1.539E+01
2003	4.413E+06	5.185E-02	1.637E+01
2004	4.770E+06	5.506E-02	1.739E+01
2005	5.140E+06	5.835E-02	1.842E+01
2006	5.525E+06	6.171E-02	1.949E+01
2007	5.923E+06	6.514E-02	2.057E+01
2008	6.334E+06	6.863E-02	2.167E+01
2009	6.759E+06	7.218E-02	2.279E+01
2010	7.198E+06	7.580E-02	2.393E+01
2011	7.650E+06	7.948E-02	2.510E+01
2012	8.116E+06	8.321E-02	2.627E+01
2013	8.596E+06	8.699E-02	2.747E+01
2014	9.089E+06	9.082E-02	2.868E+01
2015	9.596E+06	9.471E-02	2.991E+01
2016	1.012E+07	9.866E-02	3.115E+01
2017	1.065E+07	1.026E-01	3.241E+01
2018	1.120E+07	1.067E-01	3.369E+01
2019	1.176E+07	1.108E-01	3.497E+01
2020	1.234E+07	1.149E-01	3.628E+01
2021	1.293E+07	1.190E-01	3.759E+01
2022	1.352E+07	1.231E-01	3.886E+01
2023	1.411E+07	1.269E-01	4.007E+01
2024	1.470E+07	1.306E-01	4.124E+01
2025	1.470E+07	1.255E-01	3.962E+01

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Carbon Tetrachloride (HAP/VOC)
Molecular Wt = 153.84 Concentration = 0.004000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Carbon Tetrachloride (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	6.548E-05	1.023E-02
1992	6.396E+05	1.284E-04	2.006E-02
1993	9.302E+05	1.829E-04	2.858E-02
1994	1.236E+06	2.382E-04	3.723E-02
1995	1.624E+06	3.084E-04	4.820E-02
1996	1.961E+06	3.653E-04	5.710E-02
1997	2.302E+06	4.208E-04	6.577E-02
1998	2.664E+06	4.785E-04	7.478E-02
1999	3.022E+06	5.330E-04	8.330E-02
2000	3.376E+06	5.845E-04	9.135E-02
2001	3.725E+06	6.332E-04	9.895E-02
2002	4.070E+06	6.789E-04	1.061E-01
2003	4.413E+06	7.225E-04	1.129E-01
2004	4.770E+06	7.672E-04	1.199E-01
2005	5.140E+06	8.130E-04	1.271E-01
2006	5.525E+06	8.600E-04	1.344E-01
2007	5.923E+06	9.077E-04	1.419E-01
2008	6.334E+06	9.564E-04	1.495E-01
2009	6.759E+06	1.006E-03	1.572E-01
2010	7.198E+06	1.056E-03	1.651E-01
2011	7.650E+06	1.107E-03	1.731E-01
2012	8.116E+06	1.159E-03	1.812E-01
2013	8.596E+06	1.212E-03	1.894E-01
2014	9.089E+06	1.266E-03	1.978E-01
2015	9.596E+06	1.320E-03	2.063E-01
2016	1.012E+07	1.375E-03	2.148E-01
2017	1.065E+07	1.430E-03	2.235E-01
2018	1.120E+07	1.486E-03	2.323E-01
2019	1.176E+07	1.543E-03	2.412E-01
2020	1.234E+07	1.601E-03	2.502E-01
2021	1.293E+07	1.659E-03	2.593E-01
2022	1.352E+07	1.715E-03	2.680E-01
2023	1.411E+07	1.768E-03	2.764E-01
2024	1.470E+07	1.820E-03	2.844E-01
2025	1.470E+07	1.749E-03	2.733E-01

Source: D:\LANDFI-2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Carbonyl Sulfide (HAP/VOC)
Molecular Wt = 60.07 Concentration = 0.490000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Carbonyl Sulfide (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	3.132E-03	1.254E+00
1992	6.396E+05	6.141E-03	2.458E+00
1993	9.302E+05	8.747E-03	3.501E+00
1994	1.236E+06	1.140E-02	4.561E+00
1995	1.624E+06	1.475E-02	5.904E+00
1996	1.961E+06	1.748E-02	6.994E+00
1997	2.302E+06	2.013E-02	8.057E+00
1998	2.664E+06	2.289E-02	9.161E+00
1999	3.022E+06	2.549E-02	1.020E+01
2000	3.376E+06	2.796E-02	1.119E+01
2001	3.725E+06	3.029E-02	1.212E+01
2002	4.070E+06	3.248E-02	1.300E+01
2003	4.413E+06	3.456E-02	1.383E+01
2004	4.770E+06	3.670E-02	1.469E+01
2005	5.140E+06	3.889E-02	1.557E+01
2006	5.525E+06	4.113E-02	1.646E+01
2007	5.923E+06	4.342E-02	1.738E+01
2008	6.334E+06	4.574E-02	1.831E+01
2009	6.759E+06	4.811E-02	1.926E+01
2010	7.198E+06	5.052E-02	2.022E+01
2011	7.650E+06	5.297E-02	2.120E+01
2012	8.116E+06	5.546E-02	2.220E+01
2013	8.596E+06	5.798E-02	2.321E+01
2014	9.089E+06	6.053E-02	2.423E+01
2015	9.596E+06	6.313E-02	2.527E+01
2016	1.012E+07	6.576E-02	2.632E+01
2017	1.065E+07	6.842E-02	2.738E+01
2018	1.120E+07	7.110E-02	2.846E+01
2019	1.176E+07	7.382E-02	2.955E+01
2020	1.234E+07	7.657E-02	3.065E+01
2021	1.293E+07	7.935E-02	3.176E+01
2022	1.352E+07	8.202E-02	3.283E+01
2023	1.411E+07	8.459E-02	3.386E+01
2024	1.470E+07	8.705E-02	3.484E+01
2025	1.470E+07	8.364E-02	3.348E+01

Source: D:\LANDFI~2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Chlorobenzene (HAP/VOC)
Molecular Wt = 112.56 Concentration = 0.250000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Chlorobenzene (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	2.994E-03	6.396E-01
1992	6.396E+05	5.871E-03	1.254E+00
1993	9.302E+05	8.362E-03	1.786E+00
1994	1.236E+06	1.089E-02	2.327E+00
1995	1.624E+06	1.410E-02	3.012E+00
1996	1.961E+06	1.671E-02	3.569E+00
1997	2.302E+06	1.924E-02	4.111E+00
1998	2.664E+06	2.188E-02	4.674E+00
1999	3.022E+06	2.437E-02	5.206E+00
2000	3.376E+06	2.673E-02	5.709E+00
2001	3.725E+06	2.895E-02	6.185E+00
2002	4.070E+06	3.105E-02	6.632E+00
2003	4.413E+06	3.304E-02	7.057E+00
2004	4.770E+06	3.508E-02	7.494E+00
2005	5.140E+06	3.718E-02	7.941E+00
2006	5.525E+06	3.933E-02	8.400E+00
2007	5.923E+06	4.151E-02	8.866E+00
2008	6.334E+06	4.373E-02	9.341E+00
2009	6.759E+06	4.600E-02	9.825E+00
2010	7.198E+06	4.830E-02	1.032E+01
2011	7.650E+06	5.064E-02	1.082E+01
2012	8.116E+06	5.302E-02	1.132E+01
2013	8.596E+06	5.543E-02	1.184E+01
2014	9.089E+06	5.787E-02	1.236E+01
2015	9.596E+06	6.035E-02	1.289E+01
2016	1.012E+07	6.287E-02	1.343E+01
2017	1.065E+07	6.541E-02	1.397E+01
2018	1.120E+07	6.798E-02	1.452E+01
2019	1.176E+07	7.057E-02	1.507E+01
2020	1.234E+07	7.320E-02	1.564E+01
2021	1.293E+07	7.586E-02	1.620E+01
2022	1.352E+07	7.841E-02	1.675E+01
2023	1.411E+07	8.087E-02	1.727E+01
2024	1.470E+07	8.322E-02	1.778E+01
2025	1.470E+07	7.996E-02	1.708E+01

Source: D:\LANDFI-2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Chloroethane (HAP/VOC)
 Molecular Wt = 64.52 Concentration = 1.250000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2027 Closure Year: 2027
 Capacity : 14699900 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Chloroethane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	8.582E-03	3.198E+00
1992	6.396E+05	1.683E-02	6.270E+00
1993	9.302E+05	2.397E-02	8.931E+00
1994	1.236E+06	3.122E-02	1.163E+01
1995	1.624E+06	4.042E-02	1.506E+01
1996	1.961E+06	4.788E-02	1.784E+01
1997	2.302E+06	5.516E-02	2.055E+01
1998	2.664E+06	6.271E-02	2.337E+01
1999	3.022E+06	6.986E-02	2.603E+01
2000	3.376E+06	7.661E-02	2.855E+01
2001	3.725E+06	8.298E-02	3.092E+01
2002	4.070E+06	8.898E-02	3.316E+01
2003	4.413E+06	9.470E-02	3.529E+01
2004	4.770E+06	1.006E-01	3.747E+01
2005	5.140E+06	1.066E-01	3.971E+01
2006	5.525E+06	1.127E-01	4.200E+01
2007	5.923E+06	1.190E-01	4.433E+01
2008	6.334E+06	1.253E-01	4.671E+01
2009	6.759E+06	1.318E-01	4.912E+01
2010	7.198E+06	1.384E-01	5.158E+01
2011	7.650E+06	1.451E-01	5.409E+01
2012	8.116E+06	1.520E-01	5.662E+01
2013	8.596E+06	1.589E-01	5.920E+01
2014	9.089E+06	1.659E-01	6.181E+01
2015	9.596E+06	1.730E-01	6.445E+01
2016	1.012E+07	1.802E-01	6.714E+01
2017	1.065E+07	1.875E-01	6.985E+01
2018	1.120E+07	1.948E-01	7.260E+01
2019	1.176E+07	2.023E-01	7.537E+01
2020	1.234E+07	2.098E-01	7.818E+01
2021	1.293E+07	2.174E-01	8.102E+01
2022	1.352E+07	2.247E-01	8.374E+01
2023	1.411E+07	2.318E-01	8.636E+01
2024	1.470E+07	2.385E-01	8.888E+01
2025	1.470E+07	2.292E-01	8.540E+01

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Chloroform (HAP/VOC)
Molecular Wt = 119.38 Concentration = 0.024000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Chloroform (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	3.049E-04	6.140E-02
1992	6.396E+05	5.978E-04	1.204E-01
1993	9.302E+05	8.514E-04	1.715E-01
1994	1.236E+06	1.109E-03	2.234E-01
1995	1.624E+06	1.436E-03	2.892E-01
1996	1.961E+06	1.701E-03	3.426E-01
1997	2.302E+06	1.959E-03	3.946E-01
1998	2.664E+06	2.228E-03	4.487E-01
1999	3.022E+06	2.482E-03	4.998E-01
2000	3.376E+06	2.721E-03	5.481E-01
2001	3.725E+06	2.948E-03	5.937E-01
2002	4.070E+06	3.161E-03	6.366E-01
2003	4.413E+06	3.364E-03	6.775E-01
2004	4.770E+06	3.572E-03	7.194E-01
2005	5.140E+06	3.785E-03	7.624E-01
2006	5.525E+06	4.004E-03	8.064E-01
2007	5.923E+06	4.226E-03	8.512E-01
2008	6.334E+06	4.453E-03	8.968E-01
2009	6.759E+06	4.683E-03	9.432E-01
2010	7.198E+06	4.918E-03	9.904E-01
2011	7.650E+06	5.156E-03	1.038E+00
2012	8.116E+06	5.398E-03	1.087E+00
2013	8.596E+06	5.644E-03	1.137E+00
2014	9.089E+06	5.892E-03	1.187E+00
2015	9.596E+06	6.145E-03	1.238E+00
2016	1.012E+07	6.401E-03	1.289E+00
2017	1.065E+07	6.660E-03	1.341E+00
2018	1.120E+07	6.921E-03	1.394E+00
2019	1.176E+07	7.186E-03	1.447E+00
2020	1.234E+07	7.453E-03	1.501E+00
2021	1.293E+07	7.724E-03	1.556E+00
2022	1.352E+07	7.984E-03	1.608E+00
2023	1.411E+07	8.234E-03	1.658E+00
2024	1.470E+07	8.474E-03	1.707E+00
2025	1.470E+07	8.141E-03	1.640E+00

Source: Y:\096PROJ\07187037\MKDLANDFI~1\CLASSI~1\CLASSI.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Chloromethane (HAP/VOC)
Molecular Wt = 50.49 Concentration = 1.210000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year : 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Chloromethane (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	6.501E-03	3.095E+00
1992	6.396E+05	1.275E-02	6.070E+00
1993	9.302E+05	1.815E-02	8.645E+00
1994	1.236E+06	2.365E-02	1.126E+01
1995	1.624E+06	3.062E-02	1.458E+01
1996	1.961E+06	3.627E-02	1.727E+01
1997	2.302E+06	4.178E-02	1.990E+01
1998	2.664E+06	4.751E-02	2.262E+01
1999	3.022E+06	5.292E-02	2.520E+01
2000	3.376E+06	5.803E-02	2.763E+01
2001	3.725E+06	6.286E-02	2.993E+01
2002	4.070E+06	6.741E-02	3.210E+01
2003	4.413E+06	7.173E-02	3.416E+01
2004	4.770E+06	7.617E-02	3.627E+01
2005	5.140E+06	8.072E-02	3.844E+01
2006	5.525E+06	8.538E-02	4.065E+01
2007	5.923E+06	9.012E-02	4.291E+01
2008	6.334E+06	9.495E-02	4.521E+01
2009	6.759E+06	9.986E-02	4.755E+01
2010	7.198E+06	1.049E-01	4.993E+01
2011	7.650E+06	1.099E-01	5.236E+01
2012	8.116E+06	1.151E-01	5.481E+01
2013	8.596E+06	1.203E-01	5.730E+01
2014	9.089E+06	1.256E-01	5.983E+01
2015	9.596E+06	1.310E-01	6.239E+01
2016	1.012E+07	1.365E-01	6.499E+01
2017	1.065E+07	1.420E-01	6.762E+01
2018	1.120E+07	1.476E-01	7.027E+01
2019	1.176E+07	1.532E-01	7.296E+01
2020	1.234E+07	1.589E-01	7.568E+01
2021	1.293E+07	1.647E-01	7.842E+01
2022	1.352E+07	1.702E-01	8.106E+01
2023	1.411E+07	1.756E-01	8.360E+01
2024	1.470E+07	1.807E-01	8.604E+01
2025	1.470E+07	1.736E-01	8.266E+01

Source: D:\LANDFI~2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Dichlorobenzene (VOC/HAP for 1,4 isomer)
 Molecular Wt = 147.00 Concentration = 0.210000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2027 Closure Year: 2027
 Capacity : 14699900 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Dichlorobenzene (VOC/HAP for 1,4 isomer) Emission R		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	3.285E-03	5.372E-01
1992	6.396E+05	6.441E-03	1.053E+00
1993	9.302E+05	9.174E-03	1.500E+00
1994	1.236E+06	1.195E-02	1.955E+00
1995	1.624E+06	1.547E-02	2.530E+00
1996	1.961E+06	1.833E-02	2.998E+00
1997	2.302E+06	2.111E-02	3.453E+00
1998	2.664E+06	2.400E-02	3.926E+00
1999	3.022E+06	2.674E-02	4.373E+00
2000	3.376E+06	2.932E-02	4.796E+00
2001	3.725E+06	3.176E-02	5.195E+00
2002	4.070E+06	3.406E-02	5.571E+00
2003	4.413E+06	3.625E-02	5.928E+00
2004	4.770E+06	3.849E-02	6.295E+00
2005	5.140E+06	4.079E-02	6.671E+00
2006	5.525E+06	4.314E-02	7.056E+00
2007	5.923E+06	4.554E-02	7.448E+00
2008	6.334E+06	4.798E-02	7.847E+00
2009	6.759E+06	5.046E-02	8.253E+00
2010	7.198E+06	5.299E-02	8.666E+00
2011	7.650E+06	5.556E-02	9.086E+00
2012	8.116E+06	5.816E-02	9.513E+00
2013	8.596E+06	6.081E-02	9.945E+00
2014	9.089E+06	6.349E-02	1.038E+01
2015	9.596E+06	6.621E-02	1.083E+01
2016	1.012E+07	6.896E-02	1.128E+01
2017	1.065E+07	7.175E-02	1.174E+01
2018	1.120E+07	7.457E-02	1.220E+01
2019	1.176E+07	7.742E-02	1.266E+01
2020	1.234E+07	8.030E-02	1.313E+01
2021	1.293E+07	8.322E-02	1.361E+01
2022	1.352E+07	8.602E-02	1.407E+01
2023	1.411E+07	8.871E-02	1.451E+01
2024	1.470E+07	9.130E-02	1.493E+01
2025	1.470E+07	8.772E-02	1.435E+01

Source: D:\LANDFI~2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Dichloromethane (HAP)
Molecular Wt = 84.93 Concentration = 14.300000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Dichloromethane (HAP) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	1.292E-01	3.658E+01
1992	6.396E+05	2.534E-01	7.173E+01
1993	9.302E+05	3.609E-01	1.022E+02
1994	1.236E+06	4.702E-01	1.331E+02
1995	1.624E+06	6.086E-01	1.723E+02
1996	1.961E+06	7.211E-01	2.041E+02
1997	2.302E+06	8.306E-01	2.351E+02
1998	2.664E+06	9.444E-01	2.673E+02
1999	3.022E+06	1.052E+00	2.978E+02
2000	3.376E+06	1.154E+00	3.266E+02
2001	3.725E+06	1.250E+00	3.538E+02
2002	4.070E+06	1.340E+00	3.793E+02
2003	4.413E+06	1.426E+00	4.037E+02
2004	4.770E+06	1.514E+00	4.287E+02
2005	5.140E+06	1.605E+00	4.542E+02
2006	5.525E+06	1.697E+00	4.805E+02
2007	5.923E+06	1.792E+00	5.072E+02
2008	6.334E+06	1.887E+00	5.343E+02
2009	6.759E+06	1.985E+00	5.620E+02
2010	7.198E+06	2.085E+00	5.901E+02
2011	7.650E+06	2.186E+00	6.187E+02
2012	8.116E+06	2.288E+00	6.478E+02
2013	8.596E+06	2.392E+00	6.772E+02
2014	9.089E+06	2.498E+00	7.071E+02
2015	9.596E+06	2.605E+00	7.374E+02
2016	1.012E+07	2.713E+00	7.681E+02
2017	1.065E+07	2.823E+00	7.991E+02
2018	1.120E+07	2.934E+00	8.305E+02
2019	1.176E+07	3.046E+00	8.623E+02
2020	1.234E+07	3.159E+00	8.944E+02
2021	1.293E+07	3.274E+00	9.268E+02
2022	1.352E+07	3.384E+00	9.580E+02
2023	1.411E+07	3.490E+00	9.880E+02
2024	1.470E+07	3.592E+00	1.017E+03
2025	1.470E+07	3.451E+00	9.769E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Ethylbenzene (HAP/VOC)
 Molecular Wt = 106.17 Concentration = 4.610000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2027 Closure Year : 2027
 Capacity : 14699900 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Ethylbenzene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	5.208E-02	1.179E+01
1992	6.396E+05	1.021E-01	2.312E+01
1993	9.302E+05	1.454E-01	3.294E+01
1994	1.236E+06	1.895E-01	4.291E+01
1995	1.624E+06	2.453E-01	5.555E+01
1996	1.961E+06	2.906E-01	6.581E+01
1997	2.302E+06	3.347E-01	7.580E+01
1998	2.664E+06	3.806E-01	8.619E+01
1999	3.022E+06	4.239E-01	9.600E+01
2000	3.376E+06	4.649E-01	1.053E+02
2001	3.725E+06	5.036E-01	1.140E+02
2002	4.070E+06	5.400E-01	1.223E+02
2003	4.413E+06	5.747E-01	1.301E+02
2004	4.770E+06	6.102E-01	1.382E+02
2005	5.140E+06	6.467E-01	1.464E+02
2006	5.525E+06	6.840E-01	1.549E+02
2007	5.923E+06	7.220E-01	1.635E+02
2008	6.334E+06	7.607E-01	1.723E+02
2009	6.759E+06	8.000E-01	1.812E+02
2010	7.198E+06	8.401E-01	1.902E+02
2011	7.650E+06	8.808E-01	1.995E+02
2012	8.116E+06	9.222E-01	2.088E+02
2013	8.596E+06	9.641E-01	2.183E+02
2014	9.089E+06	1.007E+00	2.279E+02
2015	9.596E+06	1.050E+00	2.377E+02
2016	1.012E+07	1.093E+00	2.476E+02
2017	1.065E+07	1.138E+00	2.576E+02
2018	1.120E+07	1.182E+00	2.677E+02
2019	1.176E+07	1.228E+00	2.780E+02
2020	1.234E+07	1.273E+00	2.883E+02
2021	1.293E+07	1.319E+00	2.988E+02
2022	1.352E+07	1.364E+00	3.088E+02
2023	1.411E+07	1.407E+00	3.185E+02
2024	1.470E+07	1.448E+00	3.278E+02
2025	1.470E+07	1.391E+00	3.149E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Ethylene Dibromide (HAP/VOC)
Molecular Wt = 187.88 Concentration = 0.001000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Ethylene Dibromide (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	1.999E-05	2.558E-03
1992	6.396E+05	3.920E-05	5.016E-03
1993	9.302E+05	5.583E-05	7.145E-03
1994	1.236E+06	7.274E-05	9.308E-03
1995	1.624E+06	9.416E-05	1.205E-02
1996	1.961E+06	1.115E-04	1.427E-02
1997	2.302E+06	1.285E-04	1.644E-02
1998	2.664E+06	1.461E-04	1.870E-02
1999	3.022E+06	1.627E-04	2.082E-02
2000	3.376E+06	1.785E-04	2.284E-02
2001	3.725E+06	1.933E-04	2.474E-02
2002	4.070E+06	2.073E-04	2.653E-02
2003	4.413E+06	2.206E-04	2.823E-02
2004	4.770E+06	2.342E-04	2.998E-02
2005	5.140E+06	2.482E-04	3.177E-02
2006	5.525E+06	2.626E-04	3.360E-02
2007	5.923E+06	2.771E-04	3.547E-02
2008	6.334E+06	2.920E-04	3.737E-02
2009	6.759E+06	3.071E-04	3.930E-02
2010	7.198E+06	3.225E-04	4.127E-02
2011	7.650E+06	3.381E-04	4.327E-02
2012	8.116E+06	3.540E-04	4.530E-02
2013	8.596E+06	3.701E-04	4.736E-02
2014	9.089E+06	3.864E-04	4.945E-02
2015	9.596E+06	4.029E-04	5.156E-02
2016	1.012E+07	4.197E-04	5.371E-02
2017	1.065E+07	4.367E-04	5.588E-02
2018	1.120E+07	4.539E-04	5.808E-02
2019	1.176E+07	4.712E-04	6.030E-02
2020	1.234E+07	4.887E-04	6.254E-02
2021	1.293E+07	5.065E-04	6.481E-02
2022	1.352E+07	5.235E-04	6.700E-02
2023	1.411E+07	5.399E-04	6.909E-02
2024	1.470E+07	5.557E-04	7.111E-02
2025	1.470E+07	5.339E-04	6.832E-02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Hexane (HAP/VOC)
Molecular Wt = 86.18 Concentration = 6.570000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Hexane (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	6.025E-02	1.681E+01
1992	6.396E+05	1.181E-01	3.296E+01
1993	9.302E+05	1.683E-01	4.694E+01
1994	1.236E+06	2.192E-01	6.115E+01
1995	1.624E+06	2.838E-01	7.916E+01
1996	1.961E+06	3.362E-01	9.378E+01
1997	2.302E+06	3.872E-01	1.080E+02
1998	2.664E+06	4.403E-01	1.228E+02
1999	3.022E+06	4.904E-01	1.368E+02
2000	3.376E+06	5.378E-01	1.500E+02
2001	3.725E+06	5.826E-01	1.625E+02
2002	4.070E+06	6.247E-01	1.743E+02
2003	4.413E+06	6.648E-01	1.855E+02
2004	4.770E+06	7.059E-01	1.969E+02
2005	5.140E+06	7.481E-01	2.087E+02
2006	5.525E+06	7.913E-01	2.207E+02
2007	5.923E+06	8.352E-01	2.330E+02
2008	6.334E+06	8.800E-01	2.455E+02
2009	6.759E+06	9.255E-01	2.582E+02
2010	7.198E+06	9.718E-01	2.711E+02
2011	7.650E+06	1.019E+00	2.843E+02
2012	8.116E+06	1.067E+00	2.976E+02
2013	8.596E+06	1.115E+00	3.111E+02
2014	9.089E+06	1.164E+00	3.249E+02
2015	9.596E+06	1.214E+00	3.388E+02
2016	1.012E+07	1.265E+00	3.529E+02
2017	1.065E+07	1.316E+00	3.672E+02
2018	1.120E+07	1.368E+00	3.816E+02
2019	1.176E+07	1.420E+00	3.962E+02
2020	1.234E+07	1.473E+00	4.109E+02
2021	1.293E+07	1.526E+00	4.258E+02
2022	1.352E+07	1.578E+00	4.402E+02
2023	1.411E+07	1.627E+00	4.539E+02
2024	1.470E+07	1.675E+00	4.672E+02
2025	1.470E+07	1.609E+00	4.488E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Mercury (HAP)
Molecular Wt = 200.61 Concentration = 0.000253 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Mercury (HAP) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	5.400E-06	6.472E-04
1992	6.396E+05	1.059E-05	1.269E-03
1993	9.302E+05	1.508E-05	1.808E-03
1994	1.236E+06	1.965E-05	2.355E-03
1995	1.624E+06	2.544E-05	3.048E-03
1996	1.961E+06	3.013E-05	3.611E-03
1997	2.302E+06	3.471E-05	4.160E-03
1998	2.664E+06	3.947E-05	4.730E-03
1999	3.022E+06	4.396E-05	5.269E-03
2000	3.376E+06	4.821E-05	5.778E-03
2001	3.725E+06	5.222E-05	6.259E-03
2002	4.070E+06	5.600E-05	6.711E-03
2003	4.413E+06	5.959E-05	7.142E-03
2004	4.770E+06	6.328E-05	7.584E-03
2005	5.140E+06	6.706E-05	8.037E-03
2006	5.525E+06	7.093E-05	8.501E-03
2007	5.923E+06	7.487E-05	8.973E-03
2008	6.334E+06	7.888E-05	9.453E-03
2009	6.759E+06	8.296E-05	9.943E-03
2010	7.198E+06	8.711E-05	1.044E-02
2011	7.650E+06	9.134E-05	1.095E-02
2012	8.116E+06	9.563E-05	1.146E-02
2013	8.596E+06	9.997E-05	1.198E-02
2014	9.089E+06	1.044E-04	1.251E-02
2015	9.596E+06	1.089E-04	1.305E-02
2016	1.012E+07	1.134E-04	1.359E-02
2017	1.065E+07	1.180E-04	1.414E-02
2018	1.120E+07	1.226E-04	1.469E-02
2019	1.176E+07	1.273E-04	1.526E-02
2020	1.234E+07	1.320E-04	1.582E-02
2021	1.293E+07	1.368E-04	1.640E-02
2022	1.352E+07	1.414E-04	1.695E-02
2023	1.411E+07	1.459E-04	1.748E-02
2024	1.470E+07	1.501E-04	1.799E-02
2025	1.470E+07	1.442E-04	1.728E-02

Source: D:\LANDFI~2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Methyl Ethyl Ketone (HAP/VOC)
Molecular Wt = 72.11 Concentration = 7.090000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Methyl Ethyl Ketone (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	5.440E-02	1.814E+01
1992	6.396E+05	1.067E-01	3.556E+01
1993	9.302E+05	1.519E-01	5.066E+01
1994	1.236E+06	1.979E-01	6.599E+01
1995	1.624E+06	2.562E-01	8.543E+01
1996	1.961E+06	3.035E-01	1.012E+02
1997	2.302E+06	3.497E-01	1.166E+02
1998	2.664E+06	3.976E-01	1.326E+02
1999	3.022E+06	4.428E-01	1.476E+02
2000	3.376E+06	4.856E-01	1.619E+02
2001	3.725E+06	5.261E-01	1.754E+02
2002	4.070E+06	5.641E-01	1.881E+02
2003	4.413E+06	6.003E-01	2.001E+02
2004	4.770E+06	6.374E-01	2.125E+02
2005	5.140E+06	6.755E-01	2.252E+02
2006	5.525E+06	7.145E-01	2.382E+02
2007	5.923E+06	7.542E-01	2.515E+02
2008	6.334E+06	7.946E-01	2.649E+02
2009	6.759E+06	8.357E-01	2.786E+02
2010	7.198E+06	8.775E-01	2.926E+02
2011	7.650E+06	9.201E-01	3.068E+02
2012	8.116E+06	9.633E-01	3.212E+02
2013	8.596E+06	1.007E+00	3.358E+02
2014	9.089E+06	1.051E+00	3.506E+02
2015	9.596E+06	1.096E+00	3.656E+02
2016	1.012E+07	1.142E+00	3.808E+02
2017	1.065E+07	1.188E+00	3.962E+02
2018	1.120E+07	1.235E+00	4.118E+02
2019	1.176E+07	1.282E+00	4.275E+02
2020	1.234E+07	1.330E+00	4.434E+02
2021	1.293E+07	1.378E+00	4.595E+02
2022	1.352E+07	1.425E+00	4.750E+02
2023	1.411E+07	1.469E+00	4.899E+02
2024	1.470E+07	1.512E+00	5.041E+02
2025	1.470E+07	1.453E+00	4.844E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Methyl Isobutyl Ketone (HAP/VOC)
Molecular Wt = 100.16 Concentration = 1.870000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Methyl Isobutyl Ketone (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	1.993E-02	4.784E+00
1992	6.396E+05	3.908E-02	9.380E+00
1993	9.302E+05	5.566E-02	1.336E+01
1994	1.236E+06	7.251E-02	1.741E+01
1995	1.624E+06	9.387E-02	2.253E+01
1996	1.961E+06	1.112E-01	2.669E+01
1997	2.302E+06	1.281E-01	3.075E+01
1998	2.664E+06	1.456E-01	3.496E+01
1999	3.022E+06	1.622E-01	3.894E+01
2000	3.376E+06	1.779E-01	4.271E+01
2001	3.725E+06	1.927E-01	4.626E+01
2002	4.070E+06	2.067E-01	4.961E+01
2003	4.413E+06	2.199E-01	5.279E+01
2004	4.770E+06	2.335E-01	5.605E+01
2005	5.140E+06	2.475E-01	5.940E+01
2006	5.525E+06	2.617E-01	6.283E+01
2007	5.923E+06	2.763E-01	6.632E+01
2008	6.334E+06	2.911E-01	6.987E+01
2009	6.759E+06	3.062E-01	7.349E+01
2010	7.198E+06	3.215E-01	7.717E+01
2011	7.650E+06	3.371E-01	8.091E+01
2012	8.116E+06	3.529E-01	8.471E+01
2013	8.596E+06	3.689E-01	8.856E+01
2014	9.089E+06	3.852E-01	9.246E+01
2015	9.596E+06	4.017E-01	9.642E+01
2016	1.012E+07	4.184E-01	1.004E+02
2017	1.065E+07	4.353E-01	1.045E+02
2018	1.120E+07	4.524E-01	1.086E+02
2019	1.176E+07	4.697E-01	1.128E+02
2020	1.234E+07	4.872E-01	1.170E+02
2021	1.293E+07	5.049E-01	1.212E+02
2022	1.352E+07	5.219E-01	1.253E+02
2023	1.411E+07	5.382E-01	1.292E+02
2024	1.470E+07	5.539E-01	1.330E+02
2025	1.470E+07	5.322E-01	1.278E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Perchloroethylene (HAP/VOC)
Molecular Wt = 165.83 Concentration = 3.730000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Perchloroethylene (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	6.582E-02	9.542E+00
1992	6.396E+05	1.291E-01	1.871E+01
1993	9.302E+05	1.838E-01	2.665E+01
1994	1.236E+06	2.395E-01	3.472E+01
1995	1.624E+06	3.100E-01	4.494E+01
1996	1.961E+06	3.672E-01	5.324E+01
1997	2.302E+06	4.230E-01	6.133E+01
1998	2.664E+06	4.810E-01	6.973E+01
1999	3.022E+06	5.358E-01	7.768E+01
2000	3.376E+06	5.875E-01	8.518E+01
2001	3.725E+06	6.365E-01	9.228E+01
2002	4.070E+06	6.825E-01	9.895E+01
2003	4.413E+06	7.263E-01	1.053E+02
2004	4.770E+06	7.712E-01	1.118E+02
2005	5.140E+06	8.172E-01	1.185E+02
2006	5.525E+06	8.644E-01	1.253E+02
2007	5.923E+06	9.124E-01	1.323E+02
2008	6.334E+06	9.613E-01	1.394E+02
2009	6.759E+06	1.011E+00	1.466E+02
2010	7.198E+06	1.062E+00	1.539E+02
2011	7.650E+06	1.113E+00	1.614E+02
2012	8.116E+06	1.165E+00	1.690E+02
2013	8.596E+06	1.218E+00	1.766E+02
2014	9.089E+06	1.272E+00	1.844E+02
2015	9.596E+06	1.327E+00	1.923E+02
2016	1.012E+07	1.382E+00	2.003E+02
2017	1.065E+07	1.438E+00	2.084E+02
2018	1.120E+07	1.494E+00	2.166E+02
2019	1.176E+07	1.551E+00	2.249E+02
2020	1.234E+07	1.609E+00	2.333E+02
2021	1.293E+07	1.667E+00	2.418E+02
2022	1.352E+07	1.724E+00	2.499E+02
2023	1.411E+07	1.778E+00	2.577E+02
2024	1.470E+07	1.829E+00	2.652E+02
2025	1.470E+07	1.758E+00	2.548E+02

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Toluene (HAP/VOC)
Molecular Wt = 92.14 Concentration = 39.300000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Toluene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	3.853E-01	1.005E+02
1992	6.396E+05	7.555E-01	1.971E+02
1993	9.302E+05	1.076E+00	2.808E+02
1994	1.236E+06	1.402E+00	3.658E+02
1995	1.624E+06	1.815E+00	4.735E+02
1996	1.961E+06	2.150E+00	5.610E+02
1997	2.302E+06	2.476E+00	6.462E+02
1998	2.664E+06	2.816E+00	7.347E+02
1999	3.022E+06	3.136E+00	8.184E+02
2000	3.376E+06	3.440E+00	8.975E+02
2001	3.725E+06	3.726E+00	9.722E+02
2002	4.070E+06	3.995E+00	1.043E+03
2003	4.413E+06	4.252E+00	1.109E+03
2004	4.770E+06	4.515E+00	1.178E+03
2005	5.140E+06	4.784E+00	1.248E+03
2006	5.525E+06	5.060E+00	1.320E+03
2007	5.923E+06	5.342E+00	1.394E+03
2008	6.334E+06	5.628E+00	1.468E+03
2009	6.759E+06	5.919E+00	1.544E+03
2010	7.198E+06	6.215E+00	1.622E+03
2011	7.650E+06	6.517E+00	1.700E+03
2012	8.116E+06	6.823E+00	1.780E+03
2013	8.596E+06	7.133E+00	1.861E+03
2014	9.089E+06	7.447E+00	1.943E+03
2015	9.596E+06	7.766E+00	2.026E+03
2016	1.012E+07	8.090E+00	2.111E+03
2017	1.065E+07	8.417E+00	2.196E+03
2018	1.120E+07	8.747E+00	2.282E+03
2019	1.176E+07	9.082E+00	2.370E+03
2020	1.234E+07	9.420E+00	2.458E+03
2021	1.293E+07	9.762E+00	2.547E+03
2022	1.352E+07	1.009E+01	2.633E+03
2023	1.411E+07	1.041E+01	2.715E+03
2024	1.470E+07	1.071E+01	2.794E+03
2025	1.470E+07	1.029E+01	2.685E+03

Source: D:\LANDFI-2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Trichloroethene (HAP/VOC)
Molecular Wt = 131.38 Concentration = 2.820000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Trichloroethene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	3.942E-02	7.214E+00
1992	6.396E+05	7.730E-02	1.415E+01
1993	9.302E+05	1.101E-01	2.015E+01
1994	1.236E+06	1.434E-01	2.625E+01
1995	1.624E+06	1.857E-01	3.398E+01
1996	1.961E+06	2.200E-01	4.025E+01
1997	2.302E+06	2.534E-01	4.637E+01
1998	2.664E+06	2.881E-01	5.272E+01
1999	3.022E+06	3.209E-01	5.873E+01
2000	3.376E+06	3.519E-01	6.440E+01
2001	3.725E+06	3.812E-01	6.976E+01
2002	4.070E+06	4.088E-01	7.481E+01
2003	4.413E+06	4.350E-01	7.961E+01
2004	4.770E+06	4.619E-01	8.453E+01
2005	5.140E+06	4.895E-01	8.958E+01
2006	5.525E+06	5.178E-01	9.475E+01
2007	5.923E+06	5.465E-01	1.000E+02
2008	6.334E+06	5.758E-01	1.054E+02
2009	6.759E+06	6.056E-01	1.108E+02
2010	7.198E+06	6.359E-01	1.164E+02
2011	7.650E+06	6.668E-01	1.220E+02
2012	8.116E+06	6.981E-01	1.277E+02
2013	8.596E+06	7.298E-01	1.335E+02
2014	9.089E+06	7.620E-01	1.394E+02
2015	9.596E+06	7.946E-01	1.454E+02
2016	1.012E+07	8.277E-01	1.515E+02
2017	1.065E+07	8.611E-01	1.576E+02
2018	1.120E+07	8.950E-01	1.638E+02
2019	1.176E+07	9.292E-01	1.700E+02
2020	1.234E+07	9.638E-01	1.764E+02
2021	1.293E+07	9.988E-01	1.828E+02
2022	1.352E+07	1.032E+00	1.889E+02
2023	1.411E+07	1.065E+00	1.948E+02
2024	1.470E+07	1.096E+00	2.005E+02
2025	1.470E+07	1.053E+00	1.927E+02

Source: D:\LANDFI-2.0\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Vinyl Chloride (HAP/VOC)
Molecular Wt = 62.50 Concentration = 7.340000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Vinyl Chloride (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	4.881E-02	1.878E+01
1992	6.396E+05	9.571E-02	3.682E+01
1993	9.302E+05	1.363E-01	5.244E+01
1994	1.236E+06	1.776E-01	6.832E+01
1995	1.624E+06	2.299E-01	8.844E+01
1996	1.961E+06	2.724E-01	1.048E+02
1997	2.302E+06	3.137E-01	1.207E+02
1998	2.664E+06	3.567E-01	1.372E+02
1999	3.022E+06	3.974E-01	1.529E+02
2000	3.376E+06	4.357E-01	1.676E+02
2001	3.725E+06	4.720E-01	1.816E+02
2002	4.070E+06	5.062E-01	1.947E+02
2003	4.413E+06	5.386E-01	2.072E+02
2004	4.770E+06	5.720E-01	2.200E+02
2005	5.140E+06	6.061E-01	2.332E+02
2006	5.525E+06	6.411E-01	2.466E+02
2007	5.923E+06	6.767E-01	2.603E+02
2008	6.334E+06	7.130E-01	2.743E+02
2009	6.759E+06	7.499E-01	2.885E+02
2010	7.198E+06	7.874E-01	3.029E+02
2011	7.650E+06	8.256E-01	3.176E+02
2012	8.116E+06	8.643E-01	3.325E+02
2013	8.596E+06	9.036E-01	3.476E+02
2014	9.089E+06	9.435E-01	3.629E+02
2015	9.596E+06	9.839E-01	3.785E+02
2016	1.012E+07	1.025E+00	3.942E+02
2017	1.065E+07	1.066E+00	4.102E+02
2018	1.120E+07	1.108E+00	4.263E+02
2019	1.176E+07	1.151E+00	4.426E+02
2020	1.234E+07	1.193E+00	4.591E+02
2021	1.293E+07	1.237E+00	4.757E+02
2022	1.352E+07	1.278E+00	4.917E+02
2023	1.411E+07	1.318E+00	5.071E+02
2024	1.470E+07	1.357E+00	5.219E+02
2025	1.470E+07	1.304E+00	5.015E+02

Source: D:\LANDFI~2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Xylene (HAP/VOC)
Molecular Wt = 106.17 Concentration = 12.100000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Xylene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	1.367E-01	3.095E+01
1992	6.396E+05	2.680E-01	6.070E+01
1993	9.302E+05	3.818E-01	8.645E+01
1994	1.236E+06	4.973E-01	1.126E+02
1995	1.624E+06	6.438E-01	1.458E+02
1996	1.961E+06	7.627E-01	1.727E+02
1997	2.302E+06	8.786E-01	1.990E+02
1998	2.664E+06	9.990E-01	2.262E+02
1999	3.022E+06	1.113E+00	2.520E+02
2000	3.376E+06	1.220E+00	2.763E+02
2001	3.725E+06	1.322E+00	2.993E+02
2002	4.070E+06	1.417E+00	3.210E+02
2003	4.413E+06	1.508E+00	3.416E+02
2004	4.770E+06	1.602E+00	3.627E+02
2005	5.140E+06	1.697E+00	3.844E+02
2006	5.525E+06	1.795E+00	4.065E+02
2007	5.923E+06	1.895E+00	4.291E+02
2008	6.334E+06	1.997E+00	4.521E+02
2009	6.759E+06	2.100E+00	4.755E+02
2010	7.198E+06	2.205E+00	4.993E+02
2011	7.650E+06	2.312E+00	5.236E+02
2012	8.116E+06	2.420E+00	5.481E+02
2013	8.596E+06	2.530E+00	5.730E+02
2014	9.089E+06	2.642E+00	5.983E+02
2015	9.596E+06	2.755E+00	6.239E+02
2016	1.012E+07	2.870E+00	6.499E+02
2017	1.065E+07	2.986E+00	6.762E+02
2018	1.120E+07	3.103E+00	7.027E+02
2019	1.176E+07	3.222E+00	7.296E+02
2020	1.234E+07	3.342E+00	7.568E+02
2021	1.293E+07	3.463E+00	7.842E+02
2022	1.352E+07	3.580E+00	8.106E+02
2023	1.411E+07	3.692E+00	8.360E+02
2024	1.470E+07	3.799E+00	8.604E+02
2025	1.470E+07	3.650E+00	8.266E+02

NCRRF Emissions Calculations
 Title V Permit Application
 Emissions information obtained from Landfill Gas Emissions Model, Version 2.01
 Maximum emissions occur in the year 2024.

Class III Landfill

Pollutant	Uncontrolled		Fugitive Plus Controlled*			Less than 1000 lb/yr?	Controlled Flare Emissions		Fugitive Emissions	
	Mg/yr	ton/yr	ton/yr	lb/yr	lb/hr**		ton/yr	lb/hr**	ton/yr	lb/hr**
NMOC	94.26	104	27.5	55,069	6.3	NA	1.56	0.356	26.0	5.93
1,1,1-Trichloroethane	0.1177	0.13	0.03	69		YES				
1,1,2-Trichloroethane	0.02452	0.03	0.01	14		YES				
1,1,2,2-Tetrachloroethane	0.3425	0.38	0.10	200		YES				
1,1-Dichloroethane	0.4275	0.47	0.12	250		YES				
1,1-Dichloroethene	0.03564	0.04	0.01	21		YES				
1,2-Dichloroethane	0.07459	0.08	0.02	44		YES				
1,2-Dichloropropane	0.03739	0.04	0.01	22		YES				
Acrylonitrile	0.6174	0.68	0.18	361		YES				
Benzene	0.2743	0.30	0.08	160		YES				
Carbon Disulfide	0.08118	0.09	0.02	47		YES				
Carbon Tetrachloride	0.001131	0.00	0.00	1		YES				
Carbonyl Sulfide	0.05411	0.06	0.02	32		YES				
Chlorobenzene	0.05173	0.06	0.02	30		YES				
Chloroethane	0.1483	0.16	0.04	87		YES				
Chloroform	0.005267	0.01	0.00	3		YES				
Chloromethane	0.1123	0.12	0.03	66		YES				
Dichlorobenzene	0.05675	0.06	0.02	33		YES				
Dichloromethane (H128)	2.233	2.46	0.65	1,305	0.149	NO	0.0369	0.00843	0.615	0.140
Ethylbenzene	0.8997	0.99	0.26	526		YES				
Ethylene Dibromide	0.0003454	0.00	0.00	0		YES				
Hexane	1.041	1.15	0.30	608		YES				
Mercury	0.00009330	0.00	0.00	0		YES				
Methyl Ethyl Ketone	0.9398	1.04	0.27	549		YES				
Methyl Isobutyl Ketone	0.3443	0.38	0.10	201		YES				
Perchloroethylene	1.137	1.25	0.33	664		YES				
Toluene (H169)	6.657	7.3	1.9	3,889	0.444	NO	0.110	0.0251	1.83	0.419
Trichloroethene	0.6811	0.75	0.20	398		YES				
Vinyl Chloride	0.8433	0.93	0.25	493		YES				
Xylene (H186)	2.362	2.60	0.69	1,380	0.158	NO	0.0391	0.00892	0.651	0.149
Total HAPS (HAPS)		21.6	5.7	11,451	0.75		0.324	0.0740	5.40	1.23

* Calculated based on assumed 75% collection and 98% destruction of collected gas.

** Calculated based on 8760 hours per year.

NOTE: Bold denotes that the emission unit (fugitive plus controlled) pollutant emissions are greater than the Title V inclusion thresholds and so were included in the permit application. Total HAP threshold is 2500 lb/yr.

NCRRF Emissions Calculations
 Title V Permit Application
 Emissions information obtained from Landfill Gas Emissions Model, Version 2.01
 Maximum emissions occur in the year 2024.

Class III Landfill

Maximum methane generation rate = 22,100,000 m³/yr

Obtained from Landfill Gas Emissions Model, version 2.01

Potential SO₂ Sample Calculation

Volume emission rate of sulfur (equation 3 from AP-42, Chapter 2.4, Supplement E) is:

$$Q_S = 1.82 Q_{CH_4} \cdot C_S / (1 \times 10^6)$$

where:

Q_S = Emission rate of sulfur, m³/yr

Q_{CH₄} = Methane generation rate, m³/yr (see above)

C_S = Concentration of sulfur compounds in landfill gas, m³/yr (46.9 ppm, from AP-42, Chapter 2.4, Supplement E)

1.82 = Multiplication factor (assumes landfill gas is 55% methane)

$$Q_S = 1.82 \cdot 22,100,000 \cdot 46.9 / 1,000,000 = 1886 \text{ m}^3/\text{yr}$$

Uncontrolled mass emission rate of sulfur is (equation 4 from AP-42, Chapter 2.4, Supplement E) is:

$$UM_S = Q_S \cdot MW_S \cdot 1 \text{ atm} / [8.205 \times 10^{-5} \text{ m}^3 \cdot \text{atm} / \text{mol} \cdot \text{K} \cdot 1000 \text{ g} / \text{kg} \cdot (273 + T \text{ } ^\circ\text{K})]$$

where:

UM_S = Uncontrolled mass emission rate of sulfur, kg/yr

MW_S = Molecular weight of sulfur, m³/yr (32 g/g-mol)

T = Temperature of landfill gas, °C (assumed as 25 °C, per AP-42, Chapter 2.4, Supplement E)

$$UM_S = 1886 \cdot 32 / [8.205 \times 10^{-5} \cdot 1000 \cdot (273 + 25)] = 2469 \text{ kg}/\text{yr}$$

Controlled mass emission rate of sulfur dioxide is (equation 7 from AP-42, Chapter 2.4, Supplement E) is:

$$CM_{SO_2} = UM_S \cdot \eta_{col} / 100 \cdot 2.0 \cdot 2.2046 \text{ lb}/\text{kg} \cdot \text{ton}/2000 \text{ lb}$$

where:

CM_{SO₂} = Controlled mass emission rate of sulfur dioxide, ton/yr

η_{col} = Collection efficiency of system (assumed 75%, per AP-42, Chapter 2.4, Supplement E)

2.0 = Ratio of the molecular weight of SO₂ to the molecular weight of S. (Note - the ratio for HCl to Cl is 1.03.)

$$CM_S = 2469 \cdot 75 / 100 \cdot 2.0 \cdot 2.2046 / 2000 = 4.08 \text{ ton}_{SO_2}/\text{yr}$$

Compound	Molecular Weight (of constituent atom)	Median Conc (ppm)	Volume Emissions (constituent atom) (m ³ /yr)	Uncontrolled Emissions (constituent atom) (kg/yr)	Controlled Emissions (compound) (ton/yr)	Controlled Emissions (compound) (lb/hr)
Sulfur dioxide	32.00	46.9	1886	2469	4.08	(note that the ton/yr value is less than the 5 ton/yr inclusion level.)
Hydrogen chloride	34.45	42.0	1689	2380	2.03	

Source: D:\LANDFI-2.01\SWAC1.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2027 Closure Year: 2027
Capacity : 14699900 Mg
Average Acceptance Rate Required from
Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Methane Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	3.198E+05	8.534E+02	1.279E+06
1992	6.396E+05	1.673E+03	2.508E+06
1993	9.302E+05	2.383E+03	3.572E+06
1994	1.236E+06	3.105E+03	4.654E+06
1995	1.624E+06	4.019E+03	6.025E+06
1996	1.961E+06	4.762E+03	7.137E+06
1997	2.302E+06	5.485E+03	8.221E+06
1998	2.664E+06	6.236E+03	9.348E+06
1999	3.022E+06	6.947E+03	1.041E+07
2000	3.376E+06	7.618E+03	1.142E+07
2001	3.725E+06	8.252E+03	1.237E+07
2002	4.070E+06	8.849E+03	1.326E+07
2003	4.413E+06	9.417E+03	1.411E+07
2004	4.770E+06	9.999E+03	1.499E+07
2005	5.140E+06	1.060E+04	1.588E+07
2006	5.525E+06	1.121E+04	1.680E+07
2007	5.923E+06	1.183E+04	1.773E+07
2008	6.334E+06	1.246E+04	1.868E+07
2009	6.759E+06	1.311E+04	1.965E+07
2010	7.198E+06	1.377E+04	2.063E+07
2011	7.650E+06	1.443E+04	2.163E+07
2012	8.116E+06	1.511E+04	2.265E+07
2013	8.596E+06	1.580E+04	2.368E+07
2014	9.089E+06	1.649E+04	2.472E+07
2015	9.596E+06	1.720E+04	2.578E+07
2016	1.012E+07	1.792E+04	2.686E+07
2017	1.065E+07	1.864E+04	2.794E+07
2018	1.120E+07	1.937E+04	2.904E+07
2019	1.176E+07	2.011E+04	3.015E+07
2020	1.234E+07	2.086E+04	3.127E+07
2021	1.293E+07	2.162E+04	3.241E+07
2022	1.352E+07	2.235E+04	3.350E+07
2023	1.411E+07	2.305E+04	3.455E+07
2024	1.470E+07	2.372E+04	3.555E+07
2025	1.470E+07	2.279E+04	3.416E+07

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	NMOC Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	3.965E+00	1.106E+03
1992	4.648E+05	7.774E+00	2.169E+03
1993	7.083E+05	1.162E+01	3.243E+03
1994	9.049E+05	1.452E+01	4.052E+03
1995	1.056E+06	1.654E+01	4.614E+03
1996	1.212E+06	1.855E+01	5.174E+03
1997	1.394E+06	2.093E+01	5.839E+03
1998	1.539E+06	2.258E+01	6.300E+03
1999	1.717E+06	2.472E+01	6.898E+03
2000	1.917E+06	2.717E+01	7.579E+03
2001	2.140E+06	2.990E+01	8.343E+03
2002	2.385E+06	3.292E+01	9.183E+03
2003	2.650E+06	3.615E+01	1.008E+04
2004	2.919E+06	3.932E+01	1.097E+04
2005	3.193E+06	4.246E+01	1.184E+04
2006	3.472E+06	4.554E+01	1.271E+04
2007	3.754E+06	4.858E+01	1.355E+04
2008	4.041E+06	5.157E+01	1.439E+04
2009	4.333E+06	5.452E+01	1.521E+04
2010	4.628E+06	5.743E+01	1.602E+04
2011	4.928E+06	6.030E+01	1.682E+04
2012	5.233E+06	6.313E+01	1.761E+04
2013	5.542E+06	6.592E+01	1.839E+04
2014	5.855E+06	6.868E+01	1.916E+04
2015	6.173E+06	7.141E+01	1.992E+04
2016	6.495E+06	7.411E+01	2.068E+04
2017	6.822E+06	7.678E+01	2.142E+04
2018	7.153E+06	7.941E+01	2.215E+04
2019	7.488E+06	8.202E+01	2.288E+04
2020	7.828E+06	8.461E+01	2.360E+04
2021	8.173E+06	8.717E+01	2.432E+04
2022	8.517E+06	8.963E+01	2.500E+04
2023	8.862E+06	9.199E+01	2.566E+04
2024	9.206E+06	9.426E+01	2.630E+04
2025	9.206E+06	9.057E+01	2.527E+04

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : 1,1,1-Trichloroethane (HAP)
 Molecular Wt = 133.41 Concentration = 0.480000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1,1-Trichloroethane (HAP) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	4.951E-03	8.923E-01
1992	4.648E+05	9.709E-03	1.750E+00
1993	7.083E+05	1.452E-02	2.616E+00
1994	9.049E+05	1.814E-02	3.269E+00
1995	1.056E+06	2.066E-02	3.722E+00
1996	1.212E+06	2.316E-02	4.174E+00
1997	1.394E+06	2.614E-02	4.711E+00
1998	1.539E+06	2.820E-02	5.082E+00
1999	1.717E+06	3.088E-02	5.564E+00
2000	1.917E+06	3.393E-02	6.115E+00
2001	2.140E+06	3.735E-02	6.730E+00
2002	2.385E+06	4.111E-02	7.408E+00
2003	2.650E+06	4.514E-02	8.135E+00
2004	2.919E+06	4.911E-02	8.850E+00
2005	3.193E+06	5.302E-02	9.555E+00
2006	3.472E+06	5.688E-02	1.025E+01
2007	3.754E+06	6.067E-02	1.093E+01
2008	4.041E+06	6.440E-02	1.161E+01
2009	4.333E+06	6.809E-02	1.227E+01
2010	4.628E+06	7.172E-02	1.292E+01
2011	4.928E+06	7.530E-02	1.357E+01
2012	5.233E+06	7.884E-02	1.421E+01
2013	5.542E+06	8.233E-02	1.484E+01
2014	5.855E+06	8.577E-02	1.546E+01
2015	6.173E+06	8.918E-02	1.607E+01
2016	6.495E+06	9.255E-02	1.668E+01
2017	6.822E+06	9.588E-02	1.728E+01
2018	7.153E+06	9.918E-02	1.787E+01
2019	7.488E+06	1.024E-01	1.846E+01
2020	7.828E+06	1.057E-01	1.904E+01
2021	8.173E+06	1.089E-01	1.962E+01
2022	8.517E+06	1.119E-01	2.017E+01
2023	8.862E+06	1.149E-01	2.070E+01
2024	9.206E+06	1.177E-01	2.121E+01
2025	9.206E+06	1.131E-01	2.038E+01

Source: D:\LANDFI-2.01\SWACIII.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : 1,1,2-Trichloroethane (HAP/VOC)
 Molecular Wt = 133.41 Concentration = 0.100000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1,2-Trichloroethane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.032E-03	1.859E-01
1992	4.648E+05	2.023E-03	3.645E-01
1993	7.083E+05	3.024E-03	5.451E-01
1994	9.049E+05	3.778E-03	6.809E-01
1995	1.056E+06	4.303E-03	7.755E-01
1996	1.212E+06	4.825E-03	8.696E-01
1997	1.394E+06	5.446E-03	9.814E-01
1998	1.539E+06	5.875E-03	1.059E+00
1999	1.717E+06	6.433E-03	1.159E+00
2000	1.917E+06	7.069E-03	1.274E+00
2001	2.140E+06	7.780E-03	1.402E+00
2002	2.385E+06	8.564E-03	1.543E+00
2003	2.650E+06	9.404E-03	1.695E+00
2004	2.919E+06	1.023E-02	1.844E+00
2005	3.193E+06	1.105E-02	1.991E+00
2006	3.472E+06	1.185E-02	2.135E+00
2007	3.754E+06	1.264E-02	2.278E+00
2008	4.041E+06	1.342E-02	2.418E+00
2009	4.333E+06	1.418E-02	2.556E+00
2010	4.628E+06	1.494E-02	2.693E+00
2011	4.928E+06	1.569E-02	2.827E+00
2012	5.233E+06	1.642E-02	2.960E+00
2013	5.542E+06	1.715E-02	3.091E+00
2014	5.855E+06	1.787E-02	3.220E+00
2015	6.173E+06	1.858E-02	3.348E+00
2016	6.495E+06	1.928E-02	3.475E+00
2017	6.822E+06	1.998E-02	3.600E+00
2018	7.153E+06	2.066E-02	3.724E+00
2019	7.488E+06	2.134E-02	3.846E+00
2020	7.828E+06	2.201E-02	3.967E+00
2021	8.173E+06	2.268E-02	4.087E+00
2022	8.517E+06	2.332E-02	4.202E+00
2023	8.862E+06	2.393E-02	4.313E+00
2024	9.206E+06	2.452E-02	4.420E+00
2025	9.206E+06	2.356E-02	4.246E+00

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : 1,1,2,2-Tetrachloroethane (HAP/VOC)
 Molecular Wt = 167.85 Concentration = 1.110000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1,2,2-Tetrachloroethane (HAP/VOC) Emission Rat		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.441E-02	2.064E+00
1992	4.648E+05	2.825E-02	4.046E+00
1993	7.083E+05	4.224E-02	6.050E+00
1994	9.049E+05	5.277E-02	7.558E+00
1995	1.056E+06	6.010E-02	8.608E+00
1996	1.212E+06	6.739E-02	9.653E+00
1997	1.394E+06	7.605E-02	1.089E+01
1998	1.539E+06	8.205E-02	1.175E+01
1999	1.717E+06	8.983E-02	1.287E+01
2000	1.917E+06	9.872E-02	1.414E+01
2001	2.140E+06	1.087E-01	1.556E+01
2002	2.385E+06	1.196E-01	1.713E+01
2003	2.650E+06	1.313E-01	1.881E+01
2004	2.919E+06	1.429E-01	2.047E+01
2005	3.193E+06	1.543E-01	2.210E+01
2006	3.472E+06	1.655E-01	2.370E+01
2007	3.754E+06	1.765E-01	2.528E+01
2008	4.041E+06	1.874E-01	2.684E+01
2009	4.333E+06	1.981E-01	2.837E+01
2010	4.628E+06	2.087E-01	2.989E+01
2011	4.928E+06	2.191E-01	3.138E+01
2012	5.233E+06	2.294E-01	3.286E+01
2013	5.542E+06	2.395E-01	3.431E+01
2014	5.855E+06	2.496E-01	3.575E+01
2015	6.173E+06	2.595E-01	3.717E+01
2016	6.495E+06	2.693E-01	3.857E+01
2017	6.822E+06	2.790E-01	3.996E+01
2018	7.153E+06	2.885E-01	4.133E+01
2019	7.488E+06	2.980E-01	4.269E+01
2020	7.828E+06	3.074E-01	4.403E+01
2021	8.173E+06	3.167E-01	4.537E+01
2022	8.517E+06	3.257E-01	4.665E+01
2023	8.862E+06	3.342E-01	4.788E+01
2024	9.206E+06	3.425E-01	4.906E+01
2025	9.206E+06	3.291E-01	4.714E+01

Source: Y:\096PROJ\07187037\MKD\LANDFI-1\CLASSI-2\SWACIII.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,1-Dichloroethane (HAP/VOC)
Molecular Wt = 98.96 Concentration = 2.350000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2025 Closure Year: 2025
Capacity : 9206108 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1-Dichloroethane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.798E-02	4.369E+00
1992	4.648E+05	3.526E-02	8.566E+00
1993	7.083E+05	5.272E-02	1.281E+01
1994	9.049E+05	6.586E-02	1.600E+01
1995	1.056E+06	7.501E-02	1.822E+01
1996	1.212E+06	8.411E-02	2.044E+01
1997	1.394E+06	9.493E-02	2.306E+01
1998	1.539E+06	1.024E-01	2.488E+01
1999	1.717E+06	1.121E-01	2.724E+01
2000	1.917E+06	1.232E-01	2.994E+01
2001	2.140E+06	1.356E-01	3.295E+01
2002	2.385E+06	1.493E-01	3.627E+01
2003	2.650E+06	1.639E-01	3.983E+01
2004	2.919E+06	1.783E-01	4.333E+01
2005	3.193E+06	1.925E-01	4.678E+01
2006	3.472E+06	2.065E-01	5.018E+01
2007	3.754E+06	2.203E-01	5.353E+01
2008	4.041E+06	2.339E-01	5.682E+01
2009	4.333E+06	2.473E-01	6.007E+01
2010	4.628E+06	2.604E-01	6.328E+01
2011	4.928E+06	2.735E-01	6.644E+01
2012	5.233E+06	2.863E-01	6.956E+01
2013	5.542E+06	2.990E-01	7.264E+01
2014	5.855E+06	3.115E-01	7.568E+01
2015	6.173E+06	3.239E-01	7.869E+01
2016	6.495E+06	3.361E-01	8.166E+01
2017	6.822E+06	3.482E-01	8.460E+01
2018	7.153E+06	3.602E-01	8.750E+01
2019	7.488E+06	3.720E-01	9.038E+01
2020	7.828E+06	3.837E-01	9.323E+01
2021	8.173E+06	3.953E-01	9.605E+01
2022	8.517E+06	4.065E-01	9.876E+01
2023	8.862E+06	4.172E-01	1.014E+02
2024	9.206E+06	4.275E-01	1.039E+02
2025	9.206E+06	4.107E-01	9.979E+01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : 1,1-Dichloroethene (HAP/VOC)
 Molecular Wt = 96.94 Concentration = 0.200000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,1-Dichloroethene (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.499E-03	3.718E-01
1992	4.648E+05	2.939E-03	7.290E-01
1993	7.083E+05	4.395E-03	1.090E+00
1994	9.049E+05	5.491E-03	1.362E+00
1995	1.056E+06	6.254E-03	1.551E+00
1996	1.212E+06	7.013E-03	1.739E+00
1997	1.394E+06	7.914E-03	1.963E+00
1998	1.539E+06	8.538E-03	2.118E+00
1999	1.717E+06	9.348E-03	2.319E+00
2000	1.917E+06	1.027E-02	2.548E+00
2001	2.140E+06	1.131E-02	2.804E+00
2002	2.385E+06	1.245E-02	3.087E+00
2003	2.650E+06	1.367E-02	3.390E+00
2004	2.919E+06	1.487E-02	3.688E+00
2005	3.193E+06	1.605E-02	3.981E+00
2006	3.472E+06	1.722E-02	4.271E+00
2007	3.754E+06	1.837E-02	4.556E+00
2008	4.041E+06	1.950E-02	4.836E+00
2009	4.333E+06	2.061E-02	5.113E+00
2010	4.628E+06	2.171E-02	5.385E+00
2011	4.928E+06	2.280E-02	5.654E+00
2012	5.233E+06	2.387E-02	5.920E+00
2013	5.542E+06	2.493E-02	6.182E+00
2014	5.855E+06	2.597E-02	6.441E+00
2015	6.173E+06	2.700E-02	6.697E+00
2016	6.495E+06	2.802E-02	6.950E+00
2017	6.822E+06	2.903E-02	7.200E+00
2018	7.153E+06	3.003E-02	7.447E+00
2019	7.488E+06	3.101E-02	7.692E+00
2020	7.828E+06	3.199E-02	7.934E+00
2021	8.173E+06	3.296E-02	8.174E+00
2022	8.517E+06	3.389E-02	8.405E+00
2023	8.862E+06	3.478E-02	8.627E+00
2024	9.206E+06	3.564E-02	8.840E+00
2025	9.206E+06	3.424E-02	8.493E+00

Source: Y:\096PROJ\07187037\MKDALANDFI-1\CLASSI-2\SWACIII.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,2-Dichloroethane (HAP/VOC)
Molecular Wt = 98.96 Concentration = 0.410000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2025 Closure Year: 2025
Capacity : 9206108 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,2-Dichloroethane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	3.137E-03	7.622E-01
1992	4.648E+05	6.151E-03	1.495E+00
1993	7.083E+05	9.198E-03	2.235E+00
1994	9.049E+05	1.149E-02	2.792E+00
1995	1.056E+06	1.309E-02	3.180E+00
1996	1.212E+06	1.468E-02	3.565E+00
1997	1.394E+06	1.656E-02	4.024E+00
1998	1.539E+06	1.787E-02	4.341E+00
1999	1.717E+06	1.956E-02	4.753E+00
2000	1.917E+06	2.150E-02	5.223E+00
2001	2.140E+06	2.366E-02	5.749E+00
2002	2.385E+06	2.604E-02	6.328E+00
2003	2.650E+06	2.860E-02	6.949E+00
2004	2.919E+06	3.112E-02	7.560E+00
2005	3.193E+06	3.359E-02	8.162E+00
2006	3.472E+06	3.604E-02	8.755E+00
2007	3.754E+06	3.844E-02	9.339E+00
2008	4.041E+06	4.081E-02	9.914E+00
2009	4.333E+06	4.314E-02	1.048E+01
2010	4.628E+06	4.544E-02	1.104E+01
2011	4.928E+06	4.771E-02	1.159E+01
2012	5.233E+06	4.995E-02	1.214E+01
2013	5.542E+06	5.216E-02	1.267E+01
2014	5.855E+06	5.435E-02	1.320E+01
2015	6.173E+06	5.651E-02	1.373E+01
2016	6.495E+06	5.864E-02	1.425E+01
2017	6.822E+06	6.075E-02	1.476E+01
2018	7.153E+06	6.284E-02	1.527E+01
2019	7.488E+06	6.490E-02	1.577E+01
2020	7.828E+06	6.695E-02	1.626E+01
2021	8.173E+06	6.897E-02	1.676E+01
2022	8.517E+06	7.092E-02	1.723E+01
2023	8.862E+06	7.279E-02	1.768E+01
2024	9.206E+06	7.459E-02	1.812E+01
2025	9.206E+06	7.166E-02	1.741E+01

Source: Y:\096PROJ\0718703\MKD\LANDFI-1\CLASSI-2\SWACIII.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : 1,2-Dichloropropane (HAP/VOC)
Molecular Wt = 112.99 Concentration = 0.180000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2025 Closure Year: 2025
Capacity : 9206108 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	1,2-Dichloropropane (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.573E-03	3.346E-01
1992	4.648E+05	3.084E-03	6.561E-01
1993	7.083E+05	4.611E-03	9.811E-01
1994	9.049E+05	5.760E-03	1.226E+00
1995	1.056E+06	6.560E-03	1.396E+00
1996	1.212E+06	7.356E-03	1.565E+00
1997	1.394E+06	8.302E-03	1.767E+00
1998	1.539E+06	8.957E-03	1.906E+00
1999	1.717E+06	9.806E-03	2.087E+00
2000	1.917E+06	1.078E-02	2.293E+00
2001	2.140E+06	1.186E-02	2.524E+00
2002	2.385E+06	1.306E-02	2.778E+00
2003	2.650E+06	1.434E-02	3.051E+00
2004	2.919E+06	1.560E-02	3.319E+00
2005	3.193E+06	1.684E-02	3.583E+00
2006	3.472E+06	1.806E-02	3.844E+00
2007	3.754E+06	1.927E-02	4.100E+00
2008	4.041E+06	2.045E-02	4.353E+00
2009	4.333E+06	2.162E-02	4.601E+00
2010	4.628E+06	2.278E-02	4.847E+00
2011	4.928E+06	2.392E-02	5.089E+00
2012	5.233E+06	2.504E-02	5.328E+00
2013	5.542E+06	2.615E-02	5.564E+00
2014	5.855E+06	2.724E-02	5.797E+00
2015	6.173E+06	2.832E-02	6.027E+00
2016	6.495E+06	2.939E-02	6.255E+00
2017	6.822E+06	3.045E-02	6.480E+00
2018	7.153E+06	3.150E-02	6.702E+00
2019	7.488E+06	3.253E-02	6.923E+00
2020	7.828E+06	3.356E-02	7.141E+00
2021	8.173E+06	3.457E-02	7.357E+00
2022	8.517E+06	3.555E-02	7.564E+00
2023	8.862E+06	3.649E-02	7.764E+00
2024	9.206E+06	3.739E-02	7.956E+00
2025	9.206E+06	3.592E-02	7.644E+00

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Acrylonitrile (HAP/VOC)
 Molecular Wt = 53.06 Concentration = 6.330000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Acrylonitrile (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	2.597E-02	1.177E+01
1992	4.648E+05	5.092E-02	2.307E+01
1993	7.083E+05	7.614E-02	3.450E+01
1994	9.049E+05	9.513E-02	4.310E+01
1995	1.056E+06	1.083E-01	4.909E+01
1996	1.212E+06	1.215E-01	5.505E+01
1997	1.394E+06	1.371E-01	6.212E+01
1998	1.539E+06	1.479E-01	6.702E+01
1999	1.717E+06	1.619E-01	7.338E+01
2000	1.917E+06	1.780E-01	8.064E+01
2001	2.140E+06	1.959E-01	8.876E+01
2002	2.385E+06	2.156E-01	9.769E+01
2003	2.650E+06	2.368E-01	1.073E+02
2004	2.919E+06	2.576E-01	1.167E+02
2005	3.193E+06	2.781E-01	1.260E+02
2006	3.472E+06	2.983E-01	1.352E+02
2007	3.754E+06	3.182E-01	1.442E+02
2008	4.041E+06	3.378E-01	1.531E+02
2009	4.333E+06	3.571E-01	1.618E+02
2010	4.628E+06	3.762E-01	1.704E+02
2011	4.928E+06	3.950E-01	1.790E+02
2012	5.233E+06	4.135E-01	1.874E+02
2013	5.542E+06	4.318E-01	1.957E+02
2014	5.855E+06	4.499E-01	2.039E+02
2015	6.173E+06	4.678E-01	2.119E+02
2016	6.495E+06	4.854E-01	2.200E+02
2017	6.822E+06	5.029E-01	2.279E+02
2018	7.153E+06	5.202E-01	2.357E+02
2019	7.488E+06	5.373E-01	2.434E+02
2020	7.828E+06	5.542E-01	2.511E+02
2021	8.173E+06	5.710E-01	2.587E+02
2022	8.517E+06	5.871E-01	2.660E+02
2023	8.862E+06	6.026E-01	2.730E+02
2024	9.206E+06	6.174E-01	2.798E+02
2025	9.206E+06	5.932E-01	2.688E+02

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Benzene (HAP/VOC)
 Molecular Wt = 78.12 Concentration = 1.910000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Benzene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.154E-02	3.551E+00
1992	4.648E+05	2.262E-02	6.962E+00
1993	7.083E+05	3.383E-02	1.041E+01
1994	9.049E+05	4.226E-02	1.301E+01
1995	1.056E+06	4.813E-02	1.481E+01
1996	1.212E+06	5.397E-02	1.661E+01
1997	1.394E+06	6.091E-02	1.874E+01
1998	1.539E+06	6.571E-02	2.022E+01
1999	1.717E+06	7.194E-02	2.214E+01
2000	1.917E+06	7.906E-02	2.433E+01
2001	2.140E+06	8.702E-02	2.678E+01
2002	2.385E+06	9.578E-02	2.948E+01
2003	2.650E+06	1.052E-01	3.237E+01
2004	2.919E+06	1.144E-01	3.522E+01
2005	3.193E+06	1.235E-01	3.802E+01
2006	3.472E+06	1.325E-01	4.079E+01
2007	3.754E+06	1.414E-01	4.351E+01
2008	4.041E+06	1.501E-01	4.618E+01
2009	4.333E+06	1.586E-01	4.883E+01
2010	4.628E+06	1.671E-01	5.143E+01
2011	4.928E+06	1.755E-01	5.400E+01
2012	5.233E+06	1.837E-01	5.654E+01
2013	5.542E+06	1.918E-01	5.904E+01
2014	5.855E+06	1.999E-01	6.151E+01
2015	6.173E+06	2.078E-01	6.395E+01
2016	6.495E+06	2.157E-01	6.637E+01
2017	6.822E+06	2.234E-01	6.876E+01
2018	7.153E+06	2.311E-01	7.112E+01
2019	7.488E+06	2.387E-01	7.346E+01
2020	7.828E+06	2.462E-01	7.577E+01
2021	8.173E+06	2.536E-01	7.806E+01
2022	8.517E+06	2.608E-01	8.027E+01
2023	8.862E+06	2.677E-01	8.238E+01
2024	9.206E+06	2.743E-01	8.442E+01
2025	9.206E+06	2.635E-01	8.111E+01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Carbon Disulfide (HAP/VOC)
 Molecular Wt = 76.14 Concentration = 0.580000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Carbon Disulfide (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	3.415E-03	1.078E+00
1992	4.648E+05	6.695E-03	2.114E+00
1993	7.083E+05	1.001E-02	3.161E+00
1994	9.049E+05	1.251E-02	3.949E+00
1995	1.056E+06	1.424E-02	4.498E+00
1996	1.212E+06	1.597E-02	5.044E+00
1997	1.394E+06	1.803E-02	5.692E+00
1998	1.539E+06	1.945E-02	6.141E+00
1999	1.717E+06	2.129E-02	6.724E+00
2000	1.917E+06	2.340E-02	7.388E+00
2001	2.140E+06	2.575E-02	8.132E+00
2002	2.385E+06	2.835E-02	8.951E+00
2003	2.650E+06	3.113E-02	9.830E+00
2004	2.919E+06	3.387E-02	1.069E+01
2005	3.193E+06	3.656E-02	1.155E+01
2006	3.472E+06	3.922E-02	1.239E+01
2007	3.754E+06	4.184E-02	1.321E+01
2008	4.041E+06	4.441E-02	1.402E+01
2009	4.333E+06	4.695E-02	1.483E+01
2010	4.628E+06	4.946E-02	1.562E+01
2011	4.928E+06	5.193E-02	1.640E+01
2012	5.233E+06	5.437E-02	1.717E+01
2013	5.542E+06	5.677E-02	1.793E+01
2014	5.855E+06	5.915E-02	1.868E+01
2015	6.173E+06	6.150E-02	1.942E+01
2016	6.495E+06	6.383E-02	2.015E+01
2017	6.822E+06	6.612E-02	2.088E+01
2018	7.153E+06	6.839E-02	2.160E+01
2019	7.488E+06	7.064E-02	2.231E+01
2020	7.828E+06	7.287E-02	2.301E+01
2021	8.173E+06	7.507E-02	2.371E+01
2022	8.517E+06	7.719E-02	2.437E+01
2023	8.862E+06	7.923E-02	2.502E+01
2024	9.206E+06	8.118E-02	2.563E+01
2025	9.206E+06	7.800E-02	2.463E+01

Source: Y:\096PROJ\07187037\MKDLANDFI-1\CLASSI-2\SWACH3.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Carbon Tetrachloride (HAP/VOC)
Molecular Wt = 153.84 Concentration = 0.004000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2025 Closure Year: 2025
Capacity : 9206108 Mg
Average Acceptance Rate Required from
Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Carbon Tetrachloride (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	4.758E-05	7.436E-03
1992	4.648E+05	9.330E-05	1.458E-02
1993	7.083E+05	1.395E-04	2.180E-02
1994	9.049E+05	1.743E-04	2.724E-02
1995	1.056E+06	1.985E-04	3.102E-02
1996	1.212E+06	2.226E-04	3.478E-02
1997	1.394E+06	2.512E-04	3.926E-02
1998	1.539E+06	2.710E-04	4.235E-02
1999	1.717E+06	2.967E-04	4.637E-02
2000	1.917E+06	3.260E-04	5.095E-02
2001	2.140E+06	3.589E-04	5.609E-02
2002	2.385E+06	3.950E-04	6.173E-02
2003	2.650E+06	4.338E-04	6.779E-02
2004	2.919E+06	4.719E-04	7.375E-02
2005	3.193E+06	5.095E-04	7.963E-02
2006	3.472E+06	5.465E-04	8.542E-02
2007	3.754E+06	5.830E-04	9.111E-02
2008	4.041E+06	6.189E-04	9.672E-02
2009	4.333E+06	6.543E-04	1.023E-01
2010	4.628E+06	6.892E-04	1.077E-01
2011	4.928E+06	7.236E-04	1.131E-01
2012	5.233E+06	7.576E-04	1.184E-01
2013	5.542E+06	7.911E-04	1.236E-01
2014	5.855E+06	8.242E-04	1.288E-01
2015	6.173E+06	8.570E-04	1.339E-01
2016	6.495E+06	8.894E-04	1.390E-01
2017	6.822E+06	9.214E-04	1.440E-01
2018	7.153E+06	9.530E-04	1.489E-01
2019	7.488E+06	9.843E-04	1.538E-01
2020	7.828E+06	1.015E-03	1.587E-01
2021	8.173E+06	1.046E-03	1.635E-01
2022	8.517E+06	1.076E-03	1.681E-01
2023	8.862E+06	1.104E-03	1.725E-01
2024	9.206E+06	1.131E-03	1.768E-01
2025	9.206E+06	1.087E-03	1.699E-01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Carbonyl Sulfide (HAP/VOC)
 Molecular Wt = 60.07 Concentration = 0.490000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Carbonyl Sulfide (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	2.276E-03	9.109E-01
1992	4.648E+05	4.463E-03	1.786E+00
1993	7.083E+05	6.673E-03	2.671E+00
1994	9.049E+05	8.336E-03	3.337E+00
1995	1.056E+06	9.494E-03	3.800E+00
1996	1.212E+06	1.065E-02	4.261E+00
1997	1.394E+06	1.201E-02	4.809E+00
1998	1.539E+06	1.296E-02	5.188E+00
1999	1.717E+06	1.419E-02	5.680E+00
2000	1.917E+06	1.560E-02	6.242E+00
2001	2.140E+06	1.717E-02	6.871E+00
2002	2.385E+06	1.889E-02	7.562E+00
2003	2.650E+06	2.075E-02	8.304E+00
2004	2.919E+06	2.257E-02	9.035E+00
2005	3.193E+06	2.437E-02	9.754E+00
2006	3.472E+06	2.614E-02	1.046E+01
2007	3.754E+06	2.789E-02	1.116E+01
2008	4.041E+06	2.960E-02	1.185E+01
2009	4.333E+06	3.130E-02	1.253E+01
2010	4.628E+06	3.296E-02	1.319E+01
2011	4.928E+06	3.461E-02	1.385E+01
2012	5.233E+06	3.624E-02	1.450E+01
2013	5.542E+06	3.784E-02	1.515E+01
2014	5.855E+06	3.943E-02	1.578E+01
2015	6.173E+06	4.099E-02	1.641E+01
2016	6.495E+06	4.254E-02	1.703E+01
2017	6.822E+06	4.407E-02	1.764E+01
2018	7.153E+06	4.559E-02	1.825E+01
2019	7.488E+06	4.708E-02	1.884E+01
2020	7.828E+06	4.857E-02	1.944E+01
2021	8.173E+06	5.004E-02	2.003E+01
2022	8.517E+06	5.145E-02	2.059E+01
2023	8.862E+06	5.281E-02	2.114E+01
2024	9.206E+06	5.411E-02	2.166E+01
2025	9.206E+06	5.199E-02	2.081E+01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Chlorobenzene (HAP/VOC)
 Molecular Wt = 112.56 Concentration = 0.250000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Chlorobenzene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	2.176E-03	4.648E-01
1992	4.648E+05	4.266E-03	9.113E-01
1993	7.083E+05	6.379E-03	1.363E+00
1994	9.049E+05	7.970E-03	1.702E+00
1995	1.056E+06	9.077E-03	1.939E+00
1996	1.212E+06	1.018E-02	2.174E+00
1997	1.394E+06	1.149E-02	2.454E+00
1998	1.539E+06	1.239E-02	2.647E+00
1999	1.717E+06	1.357E-02	2.898E+00
2000	1.917E+06	1.491E-02	3.185E+00
2001	2.140E+06	1.641E-02	3.505E+00
2002	2.385E+06	1.806E-02	3.858E+00
2003	2.650E+06	1.984E-02	4.237E+00
2004	2.919E+06	2.158E-02	4.610E+00
2005	3.193E+06	2.330E-02	4.977E+00
2006	3.472E+06	2.499E-02	5.338E+00
2007	3.754E+06	2.666E-02	5.695E+00
2008	4.041E+06	2.830E-02	6.045E+00
2009	4.333E+06	2.992E-02	6.391E+00
2010	4.628E+06	3.152E-02	6.732E+00
2011	4.928E+06	3.309E-02	7.068E+00
2012	5.233E+06	3.464E-02	7.400E+00
2013	5.542E+06	3.618E-02	7.727E+00
2014	5.855E+06	3.769E-02	8.051E+00
2015	6.173E+06	3.919E-02	8.371E+00
2016	6.495E+06	4.067E-02	8.687E+00
2017	6.822E+06	4.213E-02	9.000E+00
2018	7.153E+06	4.358E-02	9.309E+00
2019	7.488E+06	4.501E-02	9.615E+00
2020	7.828E+06	4.643E-02	9.918E+00
2021	8.173E+06	4.784E-02	1.022E+01
2022	8.517E+06	4.919E-02	1.051E+01
2023	8.862E+06	5.048E-02	1.078E+01
2024	9.206E+06	5.173E-02	1.105E+01
2025	9.206E+06	4.970E-02	1.062E+01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 l/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Chloroethane (HAP/VOC)
 Molecular Wt = 64.52 Concentration = 1.250000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Chloroethane (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	6.236E-03	2.324E+00
1992	4.648E+05	1.223E-02	4.556E+00
1993	7.083E+05	1.828E-02	6.813E+00
1994	9.049E+05	2.284E-02	8.512E+00
1995	1.056E+06	2.601E-02	9.694E+00
1996	1.212E+06	2.917E-02	1.087E+01
1997	1.394E+06	3.292E-02	1.227E+01
1998	1.539E+06	3.552E-02	1.324E+01
1999	1.717E+06	3.889E-02	1.449E+01
2000	1.917E+06	4.273E-02	1.592E+01
2001	2.140E+06	4.703E-02	1.753E+01
2002	2.385E+06	5.177E-02	1.929E+01
2003	2.650E+06	5.685E-02	2.118E+01
2004	2.919E+06	6.185E-02	2.305E+01
2005	3.193E+06	6.678E-02	2.488E+01
2006	3.472E+06	7.163E-02	2.669E+01
2007	3.754E+06	7.641E-02	2.847E+01
2008	4.041E+06	8.111E-02	3.023E+01
2009	4.333E+06	8.575E-02	3.195E+01
2010	4.628E+06	9.032E-02	3.366E+01
2011	4.928E+06	9.484E-02	3.534E+01
2012	5.233E+06	9.929E-02	3.700E+01
2013	5.542E+06	1.037E-01	3.864E+01
2014	5.855E+06	1.080E-01	4.025E+01
2015	6.173E+06	1.123E-01	4.185E+01
2016	6.495E+06	1.166E-01	4.344E+01
2017	6.822E+06	1.208E-01	4.500E+01
2018	7.153E+06	1.249E-01	4.654E+01
2019	7.488E+06	1.290E-01	4.807E+01
2020	7.828E+06	1.331E-01	4.959E+01
2021	8.173E+06	1.371E-01	5.109E+01
2022	8.517E+06	1.410E-01	5.253E+01
2023	8.862E+06	1.447E-01	5.392E+01
2024	9.206E+06	1.483E-01	5.525E+01
2025	9.206E+06	1.424E-01	5.308E+01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Chloroform (HAP/VOC)
 Molecular Wt = 119.38 Concentration = 0.024000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Chloroform (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	2.215E-04	4.462E-02
1992	4.648E+05	4.344E-04	8.748E-02
1993	7.083E+05	6.495E-04	1.308E-01
1994	9.049E+05	8.115E-04	1.634E-01
1995	1.056E+06	9.242E-04	1.861E-01
1996	1.212E+06	1.036E-03	2.087E-01
1997	1.394E+06	1.170E-03	2.355E-01
1998	1.539E+06	1.262E-03	2.541E-01
1999	1.717E+06	1.381E-03	2.782E-01
2000	1.917E+06	1.518E-03	3.057E-01
2001	2.140E+06	1.671E-03	3.365E-01
2002	2.385E+06	1.839E-03	3.704E-01
2003	2.650E+06	2.020E-03	4.067E-01
2004	2.919E+06	2.197E-03	4.425E-01
2005	3.193E+06	2.372E-03	4.778E-01
2006	3.472E+06	2.545E-03	5.125E-01
2007	3.754E+06	2.714E-03	5.467E-01
2008	4.041E+06	2.882E-03	5.803E-01
2009	4.333E+06	3.046E-03	6.135E-01
2010	4.628E+06	3.209E-03	6.462E-01
2011	4.928E+06	3.369E-03	6.785E-01
2012	5.233E+06	3.527E-03	7.104E-01
2013	5.542E+06	3.683E-03	7.418E-01
2014	5.855E+06	3.838E-03	7.729E-01
2015	6.173E+06	3.990E-03	8.036E-01
2016	6.495E+06	4.141E-03	8.340E-01
2017	6.822E+06	4.290E-03	8.640E-01
2018	7.153E+06	4.437E-03	8.936E-01
2019	7.488E+06	4.583E-03	9.230E-01
2020	7.828E+06	4.727E-03	9.521E-01
2021	8.173E+06	4.871E-03	9.809E-01
2022	8.517E+06	5.008E-03	1.009E+00
2023	8.862E+06	5.140E-03	1.035E+00
2024	9.206E+06	5.267E-03	1.061E+00
2025	9.206E+06	5.060E-03	1.019E+00

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Chloromethane (HAP/VOC)
 Molecular Wt = 50.49 Concentration = 1.210000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Chloromethane (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	4.724E-03	2.249E+00
1992	4.648E+05	9.262E-03	4.411E+00
1993	7.083E+05	1.385E-02	6.595E+00
1994	9.049E+05	1.730E-02	8.239E+00
1995	1.056E+06	1.971E-02	9.384E+00
1996	1.212E+06	2.210E-02	1.052E+01
1997	1.394E+06	2.494E-02	1.188E+01
1998	1.539E+06	2.690E-02	1.281E+01
1999	1.717E+06	2.946E-02	1.403E+01
2000	1.917E+06	3.237E-02	1.541E+01
2001	2.140E+06	3.563E-02	1.697E+01
2002	2.385E+06	3.922E-02	1.867E+01
2003	2.650E+06	4.306E-02	2.051E+01
2004	2.919E+06	4.685E-02	2.231E+01
2005	3.193E+06	5.058E-02	2.409E+01
2006	3.472E+06	5.426E-02	2.584E+01
2007	3.754E+06	5.788E-02	2.756E+01
2008	4.041E+06	6.144E-02	2.926E+01
2009	4.333E+06	6.496E-02	3.093E+01
2010	4.628E+06	6.842E-02	3.258E+01
2011	4.928E+06	7.184E-02	3.421E+01
2012	5.233E+06	7.521E-02	3.582E+01
2013	5.542E+06	7.854E-02	3.740E+01
2014	5.855E+06	8.183E-02	3.897E+01
2015	6.173E+06	8.508E-02	4.051E+01
2016	6.495E+06	8.830E-02	4.205E+01
2017	6.822E+06	9.147E-02	4.356E+01
2018	7.153E+06	9.462E-02	4.505E+01
2019	7.488E+06	9.772E-02	4.654E+01
2020	7.828E+06	1.008E-01	4.800E+01
2021	8.173E+06	1.039E-01	4.945E+01
2022	8.517E+06	1.068E-01	5.085E+01
2023	8.862E+06	1.096E-01	5.219E+01
2024	9.206E+06	1.123E-01	5.348E+01
2025	9.206E+06	1.079E-01	5.138E+01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Dichlorobenzene (VOC/HAP for 1,4 isomer)
 Molecular Wt = 147.00 Concentration = 0.210000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Dichlorobenzene (VOC/HAP for 1,4 isomer) Emission R		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	2.387E-03	3.904E-01
1992	4.648E+05	4.680E-03	7.655E-01
1993	7.083E+05	6.998E-03	1.145E+00
1994	9.049E+05	8.743E-03	1.430E+00
1995	1.056E+06	9.957E-03	1.629E+00
1996	1.212E+06	1.117E-02	1.826E+00
1997	1.394E+06	1.260E-02	2.061E+00
1998	1.539E+06	1.359E-02	2.223E+00
1999	1.717E+06	1.488E-02	2.434E+00
2000	1.917E+06	1.636E-02	2.675E+00
2001	2.140E+06	1.800E-02	2.945E+00
2002	2.385E+06	1.982E-02	3.241E+00
2003	2.650E+06	2.176E-02	3.559E+00
2004	2.919E+06	2.367E-02	3.872E+00
2005	3.193E+06	2.556E-02	4.180E+00
2006	3.472E+06	2.742E-02	4.484E+00
2007	3.754E+06	2.925E-02	4.783E+00
2008	4.041E+06	3.105E-02	5.078E+00
2009	4.333E+06	3.282E-02	5.368E+00
2010	4.628E+06	3.457E-02	5.655E+00
2011	4.928E+06	3.630E-02	5.937E+00
2012	5.233E+06	3.801E-02	6.216E+00
2013	5.542E+06	3.969E-02	6.491E+00
2014	5.855E+06	4.135E-02	6.763E+00
2015	6.173E+06	4.299E-02	7.031E+00
2016	6.495E+06	4.462E-02	7.297E+00
2017	6.822E+06	4.622E-02	7.560E+00
2018	7.153E+06	4.781E-02	7.819E+00
2019	7.488E+06	4.938E-02	8.076E+00
2020	7.828E+06	5.094E-02	8.331E+00
2021	8.173E+06	5.248E-02	8.583E+00
2022	8.517E+06	5.396E-02	8.825E+00
2023	8.862E+06	5.538E-02	9.058E+00
2024	9.206E+06	5.675E-02	9.281E+00
2025	9.206E+06	5.452E-02	8.918E+00

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Dichloromethane (HAP)
 Molecular Wt = 84.93 Concentration = 14.300000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Dichloromethane (HAP) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	9.391E-02	2.658E+01
1992	4.648E+05	1.841E-01	5.213E+01
1993	7.083E+05	2.753E-01	7.794E+01
1994	9.049E+05	3.440E-01	9.737E+01
1995	1.056E+06	3.917E-01	1.109E+02
1996	1.212E+06	4.393E-01	1.244E+02
1997	1.394E+06	4.958E-01	1.403E+02
1998	1.539E+06	5.348E-01	1.514E+02
1999	1.717E+06	5.856E-01	1.658E+02
2000	1.917E+06	6.435E-01	1.822E+02
2001	2.140E+06	7.083E-01	2.005E+02
2002	2.385E+06	7.796E-01	2.207E+02
2003	2.650E+06	8.561E-01	2.424E+02
2004	2.919E+06	9.314E-01	2.637E+02
2005	3.193E+06	1.006E+00	2.847E+02
2006	3.472E+06	1.079E+00	3.054E+02
2007	3.754E+06	1.151E+00	3.257E+02
2008	4.041E+06	1.221E+00	3.458E+02
2009	4.333E+06	1.291E+00	3.655E+02
2010	4.628E+06	1.360E+00	3.850E+02
2011	4.928E+06	1.428E+00	4.043E+02
2012	5.233E+06	1.495E+00	4.233E+02
2013	5.542E+06	1.561E+00	4.420E+02
2014	5.855E+06	1.627E+00	4.605E+02
2015	6.173E+06	1.691E+00	4.788E+02
2016	6.495E+06	1.755E+00	4.969E+02
2017	6.822E+06	1.818E+00	5.148E+02
2018	7.153E+06	1.881E+00	5.325E+02
2019	7.488E+06	1.943E+00	5.500E+02
2020	7.828E+06	2.004E+00	5.673E+02
2021	8.173E+06	2.065E+00	5.845E+02
2022	8.517E+06	2.123E+00	6.010E+02
2023	8.862E+06	2.179E+00	6.168E+02
2024	9.206E+06	2.233E+00	6.320E+02
2025	9.206E+06	2.145E+00	6.072E+02

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Ethylbenzene (HAP/VOC)
 Molecular Wt = 106.17 Concentration = 4.610000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Ethylbenzene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	3.784E-02	8.570E+00
1992	4.648E+05	7.421E-02	1.680E+01
1993	7.083E+05	1.110E-01	2.513E+01
1994	9.049E+05	1.386E-01	3.139E+01
1995	1.056E+06	1.579E-01	3.575E+01
1996	1.212E+06	1.770E-01	4.009E+01
1997	1.394E+06	1.998E-01	4.524E+01
1998	1.539E+06	2.155E-01	4.881E+01
1999	1.717E+06	2.360E-01	5.344E+01
2000	1.917E+06	2.593E-01	5.873E+01
2001	2.140E+06	2.854E-01	6.464E+01
2002	2.385E+06	3.142E-01	7.115E+01
2003	2.650E+06	3.450E-01	7.813E+01
2004	2.919E+06	3.754E-01	8.500E+01
2005	3.193E+06	4.052E-01	9.177E+01
2006	3.472E+06	4.347E-01	9.844E+01
2007	3.754E+06	4.637E-01	1.050E+02
2008	4.041E+06	4.923E-01	1.115E+02
2009	4.333E+06	5.204E-01	1.178E+02
2010	4.628E+06	5.481E-01	1.241E+02
2011	4.928E+06	5.755E-01	1.303E+02
2012	5.233E+06	6.026E-01	1.365E+02
2013	5.542E+06	6.292E-01	1.425E+02
2014	5.855E+06	6.556E-01	1.485E+02
2015	6.173E+06	6.816E-01	1.544E+02
2016	6.495E+06	7.074E-01	1.602E+02
2017	6.822E+06	7.328E-01	1.660E+02
2018	7.153E+06	7.580E-01	1.717E+02
2019	7.488E+06	7.829E-01	1.773E+02
2020	7.828E+06	8.076E-01	1.829E+02
2021	8.173E+06	8.320E-01	1.884E+02
2022	8.517E+06	8.555E-01	1.937E+02
2023	8.862E+06	8.781E-01	1.988E+02
2024	9.206E+06	8.997E-01	2.038E+02
2025	9.206E+06	8.645E-01	1.958E+02

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Ethylene Dibromide (HAP/VOC)
 Molecular Wt = 187.88 Concentration = 0.001000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Ethylene Dibromide (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.453E-05	1.859E-03
1992	4.648E+05	2.849E-05	3.645E-03
1993	7.083E+05	4.259E-05	5.451E-03
1994	9.049E+05	5.321E-05	6.809E-03
1995	1.056E+06	6.060E-05	7.755E-03
1996	1.212E+06	6.796E-05	8.696E-03
1997	1.394E+06	7.669E-05	9.814E-03
1998	1.539E+06	8.274E-05	1.059E-02
1999	1.717E+06	9.059E-05	1.159E-02
2000	1.917E+06	9.955E-05	1.274E-02
2001	2.140E+06	1.096E-04	1.402E-02
2002	2.385E+06	1.206E-04	1.543E-02
2003	2.650E+06	1.324E-04	1.695E-02
2004	2.919E+06	1.441E-04	1.844E-02
2005	3.193E+06	1.556E-04	1.991E-02
2006	3.472E+06	1.669E-04	2.135E-02
2007	3.754E+06	1.780E-04	2.278E-02
2008	4.041E+06	1.890E-04	2.418E-02
2009	4.333E+06	1.998E-04	2.556E-02
2010	4.628E+06	2.104E-04	2.693E-02
2011	4.928E+06	2.209E-04	2.827E-02
2012	5.233E+06	2.313E-04	2.960E-02
2013	5.542E+06	2.415E-04	3.091E-02
2014	5.855E+06	2.517E-04	3.220E-02
2015	6.173E+06	2.617E-04	3.348E-02
2016	6.495E+06	2.715E-04	3.475E-02
2017	6.822E+06	2.813E-04	3.600E-02
2018	7.153E+06	2.910E-04	3.724E-02
2019	7.488E+06	3.005E-04	3.846E-02
2020	7.828E+06	3.100E-04	3.967E-02
2021	8.173E+06	3.194E-04	4.087E-02
2022	8.517E+06	3.284E-04	4.202E-02
2023	8.862E+06	3.371E-04	4.313E-02
2024	9.206E+06	3.454E-04	4.420E-02
2025	9.206E+06	3.318E-04	4.246E-02

Source: Y:\096PROJ\07187037\MKD\LANDFI-1\CLASSI-2\SWACIII.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Hexane (HAP/VOC)
 Molecular Wt = 86.18 Concentration = 6.570000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Hexane (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	4.378E-02	1.221E+01
1992	4.648E+05	8.584E-02	2.395E+01
1993	7.083E+05	1.284E-01	3.581E+01
1994	9.049E+05	1.604E-01	4.474E+01
1995	1.056E+06	1.826E-01	5.095E+01
1996	1.212E+06	2.048E-01	5.713E+01
1997	1.394E+06	2.311E-01	6.448E+01
1998	1.539E+06	2.493E-01	6.956E+01
1999	1.717E+06	2.730E-01	7.616E+01
2000	1.917E+06	3.000E-01	8.369E+01
2001	2.140E+06	3.302E-01	9.212E+01
2002	2.385E+06	3.635E-01	1.014E+02
2003	2.650E+06	3.991E-01	1.113E+02
2004	2.919E+06	4.342E-01	1.211E+02
2005	3.193E+06	4.688E-01	1.308E+02
2006	3.472E+06	5.029E-01	1.403E+02
2007	3.754E+06	5.364E-01	1.497E+02
2008	4.041E+06	5.695E-01	1.589E+02
2009	4.333E+06	6.020E-01	1.679E+02
2010	4.628E+06	6.341E-01	1.769E+02
2011	4.928E+06	6.658E-01	1.857E+02
2012	5.233E+06	6.971E-01	1.945E+02
2013	5.542E+06	7.279E-01	2.031E+02
2014	5.855E+06	7.584E-01	2.116E+02
2015	6.173E+06	7.885E-01	2.200E+02
2016	6.495E+06	8.183E-01	2.283E+02
2017	6.822E+06	8.478E-01	2.365E+02
2018	7.153E+06	8.769E-01	2.446E+02
2019	7.488E+06	9.057E-01	2.527E+02
2020	7.828E+06	9.342E-01	2.606E+02
2021	8.173E+06	9.625E-01	2.685E+02
2022	8.517E+06	9.897E-01	2.761E+02
2023	8.862E+06	1.016E+00	2.834E+02
2024	9.206E+06	1.041E+00	2.904E+02
2025	9.206E+06	1.000E+00	2.790E+02

Source: Y:\096PROJ\07187037\MKD\LANDFI-1\CLASSI-2\SWACIII.PRM

Model Parameters

Lo : 100.00 m³ / Mg
k : 0.0400 1/yr
NMOC : 595.00 ppmv
Methane : 50.0000 % volume
Carbon Dioxide : 50.0000 % volume
Air Pollutant : Mercury (HAP)
Molecular Wt = 200.61 Concentration = 0.000253 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
Year Opened : 1990 Current Year : 2025 Closure Year: 2025
Capacity : 9206108 Mg
Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Mercury (HAP) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	3.924E-06	4.703E-04
1992	4.648E+05	7.695E-06	9.222E-04
1993	7.083E+05	1.151E-05	1.379E-03
1994	9.049E+05	1.437E-05	1.723E-03
1995	1.056E+06	1.637E-05	1.962E-03
1996	1.212E+06	1.836E-05	2.200E-03
1997	1.394E+06	2.072E-05	2.483E-03
1998	1.539E+06	2.235E-05	2.679E-03
1999	1.717E+06	2.447E-05	2.933E-03
2000	1.917E+06	2.689E-05	3.223E-03
2001	2.140E+06	2.960E-05	3.547E-03
2002	2.385E+06	3.258E-05	3.905E-03
2003	2.650E+06	3.578E-05	4.288E-03
2004	2.919E+06	3.892E-05	4.665E-03
2005	3.193E+06	4.202E-05	5.036E-03
2006	3.472E+06	4.508E-05	5.403E-03
2007	3.754E+06	4.808E-05	5.763E-03
2008	4.041E+06	5.105E-05	6.118E-03
2009	4.333E+06	5.396E-05	6.467E-03
2010	4.628E+06	5.684E-05	6.812E-03
2011	4.928E+06	5.968E-05	7.153E-03
2012	5.233E+06	6.249E-05	7.489E-03
2013	5.542E+06	6.525E-05	7.820E-03
2014	5.855E+06	6.798E-05	8.148E-03
2015	6.173E+06	7.068E-05	8.471E-03
2016	6.495E+06	7.335E-05	8.791E-03
2017	6.822E+06	7.599E-05	9.108E-03
2018	7.153E+06	7.860E-05	9.421E-03
2019	7.488E+06	8.119E-05	9.730E-03
2020	7.828E+06	8.374E-05	1.004E-02
2021	8.173E+06	8.628E-05	1.034E-02
2022	8.517E+06	8.871E-05	1.063E-02
2023	8.862E+06	9.105E-05	1.091E-02
2024	9.206E+06	9.330E-05	1.118E-02
2025	9.206E+06	8.964E-05	1.074E-02

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Methyl Ethyl Ketone (HAP/VOC)
 Molecular Wt = 72.11 Concentration = 7.090000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Methyl Ethyl Ketone (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	3.953E-02	1.318E+01
1992	4.648E+05	7.751E-02	2.584E+01
1993	7.083E+05	1.159E-01	3.864E+01
1994	9.049E+05	1.448E-01	4.828E+01
1995	1.056E+06	1.649E-01	5.498E+01
1996	1.212E+06	1.849E-01	6.166E+01
1997	1.394E+06	2.087E-01	6.958E+01
1998	1.539E+06	2.252E-01	7.507E+01
1999	1.717E+06	2.465E-01	8.219E+01
2000	1.917E+06	2.709E-01	9.032E+01
2001	2.140E+06	2.982E-01	9.941E+01
2002	2.385E+06	3.282E-01	1.094E+02
2003	2.650E+06	3.604E-01	1.202E+02
2004	2.919E+06	3.921E-01	1.307E+02
2005	3.193E+06	4.233E-01	1.411E+02
2006	3.472E+06	4.541E-01	1.514E+02
2007	3.754E+06	4.844E-01	1.615E+02
2008	4.041E+06	5.142E-01	1.714E+02
2009	4.333E+06	5.436E-01	1.812E+02
2010	4.628E+06	5.726E-01	1.909E+02
2011	4.928E+06	6.012E-01	2.005E+02
2012	5.233E+06	6.294E-01	2.099E+02
2013	5.542E+06	6.573E-01	2.192E+02
2014	5.855E+06	6.848E-01	2.283E+02
2015	6.173E+06	7.120E-01	2.374E+02
2016	6.495E+06	7.389E-01	2.464E+02
2017	6.822E+06	7.655E-01	2.552E+02
2018	7.153E+06	7.918E-01	2.640E+02
2019	7.488E+06	8.178E-01	2.727E+02
2020	7.828E+06	8.436E-01	2.813E+02
2021	8.173E+06	8.691E-01	2.898E+02
2022	8.517E+06	8.936E-01	2.980E+02
2023	8.862E+06	9.172E-01	3.058E+02
2024	9.206E+06	9.398E-01	3.134E+02
2025	9.206E+06	9.030E-01	3.011E+02

Source: Y:\096PROJ\07187037\MKD\LANDFI-1\CLASSI-2\SWACIII.PRM

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Methyl Isobutyl Ketone (HAP/VOC)
 Molecular Wt = 100.16 Concentration = 1.870000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Methyl Isobutyl Ketone (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	1.448E-02	3.476E+00
1992	4.648E+05	2.840E-02	6.816E+00
1993	7.083E+05	4.246E-02	1.019E+01
1994	9.049E+05	5.305E-02	1.273E+01
1995	1.056E+06	6.041E-02	1.450E+01
1996	1.212E+06	6.775E-02	1.626E+01
1997	1.394E+06	7.645E-02	1.835E+01
1998	1.539E+06	8.248E-02	1.980E+01
1999	1.717E+06	9.031E-02	2.168E+01
2000	1.917E+06	9.924E-02	2.382E+01
2001	2.140E+06	1.092E-01	2.622E+01
2002	2.385E+06	1.202E-01	2.886E+01
2003	2.650E+06	1.320E-01	3.169E+01
2004	2.919E+06	1.436E-01	3.448E+01
2005	3.193E+06	1.551E-01	3.723E+01
2006	3.472E+06	1.664E-01	3.993E+01
2007	3.754E+06	1.774E-01	4.259E+01
2008	4.041E+06	1.884E-01	4.522E+01
2009	4.333E+06	1.991E-01	4.780E+01
2010	4.628E+06	2.098E-01	5.035E+01
2011	4.928E+06	2.202E-01	5.287E+01
2012	5.233E+06	2.306E-01	5.535E+01
2013	5.542E+06	2.408E-01	5.780E+01
2014	5.855E+06	2.509E-01	6.022E+01
2015	6.173E+06	2.608E-01	6.261E+01
2016	6.495E+06	2.707E-01	6.498E+01
2017	6.822E+06	2.804E-01	6.732E+01
2018	7.153E+06	2.901E-01	6.963E+01
2019	7.488E+06	2.996E-01	7.192E+01
2020	7.828E+06	3.090E-01	7.418E+01
2021	8.173E+06	3.184E-01	7.643E+01
2022	8.517E+06	3.274E-01	7.859E+01
2023	8.862E+06	3.360E-01	8.066E+01
2024	9.206E+06	3.443E-01	8.265E+01
2025	9.206E+06	3.308E-01	7.941E+01

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Perchloroethylene (HAP/VOC)
 Molecular Wt = 165.83 Concentration = 3.730000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Perchloroethylene (HAP/VOC) Emission Rate

Year	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	4.783E-02	6.934E+00
1992	4.648E+05	9.378E-02	1.360E+01
1993	7.083E+05	1.402E-01	2.033E+01
1994	9.049E+05	1.752E-01	2.540E+01
1995	1.056E+06	1.995E-01	2.893E+01
1996	1.212E+06	2.237E-01	3.244E+01
1997	1.394E+06	2.525E-01	3.661E+01
1998	1.539E+06	2.724E-01	3.949E+01
1999	1.717E+06	2.982E-01	4.324E+01
2000	1.917E+06	3.277E-01	4.752E+01
2001	2.140E+06	3.607E-01	5.230E+01
2002	2.385E+06	3.971E-01	5.757E+01
2003	2.650E+06	4.360E-01	6.322E+01
2004	2.919E+06	4.744E-01	6.878E+01
2005	3.193E+06	5.121E-01	7.425E+01
2006	3.472E+06	5.494E-01	7.965E+01
2007	3.754E+06	5.860E-01	8.496E+01
2008	4.041E+06	6.221E-01	9.019E+01
2009	4.333E+06	6.577E-01	9.535E+01
2010	4.628E+06	6.927E-01	1.004E+02
2011	4.928E+06	7.274E-01	1.055E+02
2012	5.233E+06	7.615E-01	1.104E+02
2013	5.542E+06	7.952E-01	1.153E+02
2014	5.855E+06	8.285E-01	1.201E+02
2015	6.173E+06	8.614E-01	1.249E+02
2016	6.495E+06	8.940E-01	1.296E+02
2017	6.822E+06	9.261E-01	1.343E+02
2018	7.153E+06	9.580E-01	1.389E+02
2019	7.488E+06	9.894E-01	1.435E+02
2020	7.828E+06	1.021E+00	1.480E+02
2021	8.173E+06	1.051E+00	1.524E+02
2022	8.517E+06	1.081E+00	1.568E+02
2023	8.862E+06	1.110E+00	1.609E+02
2024	9.206E+06	1.137E+00	1.649E+02
2025	9.206E+06	1.092E+00	1.584E+02

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Toluene (HAP/VOC)
 Molecular Wt = 92.14 Concentration = 39.300000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Toluene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	2.800E-01	7.306E+01
1992	4.648E+05	5.490E-01	1.433E+02
1993	7.083E+05	8.209E-01	2.142E+02
1994	9.049E+05	1.026E+00	2.676E+02
1995	1.056E+06	1.168E+00	3.048E+02
1996	1.212E+06	1.310E+00	3.418E+02
1997	1.394E+06	1.478E+00	3.857E+02
1998	1.539E+06	1.595E+00	4.161E+02
1999	1.717E+06	1.746E+00	4.556E+02
2000	1.917E+06	1.919E+00	5.006E+02
2001	2.140E+06	2.112E+00	5.510E+02
2002	2.385E+06	2.324E+00	6.065E+02
2003	2.650E+06	2.553E+00	6.661E+02
2004	2.919E+06	2.777E+00	7.246E+02
2005	3.193E+06	2.998E+00	7.823E+02
2006	3.472E+06	3.216E+00	8.392E+02
2007	3.754E+06	3.431E+00	8.952E+02
2008	4.041E+06	3.642E+00	9.503E+02
2009	4.333E+06	3.850E+00	1.005E+03
2010	4.628E+06	4.055E+00	1.058E+03
2011	4.928E+06	4.258E+00	1.111E+03
2012	5.233E+06	4.458E+00	1.163E+03
2013	5.542E+06	4.655E+00	1.215E+03
2014	5.855E+06	4.850E+00	1.266E+03
2015	6.173E+06	5.043E+00	1.316E+03
2016	6.495E+06	5.234E+00	1.366E+03
2017	6.822E+06	5.422E+00	1.415E+03
2018	7.153E+06	5.608E+00	1.463E+03
2019	7.488E+06	5.792E+00	1.511E+03
2020	7.828E+06	5.975E+00	1.559E+03
2021	8.173E+06	6.156E+00	1.606E+03
2022	8.517E+06	6.329E+00	1.652E+03
2023	8.862E+06	6.496E+00	1.695E+03
2024	9.206E+06	6.657E+00	1.737E+03
2025	9.206E+06	6.396E+00	1.669E+03

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Trichloroethene (HAP/VOC)
 Molecular Wt = 131.38 Concentration = 2.820000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Trichloroethene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	2.865E-02	5.242E+00
1992	4.648E+05	5.617E-02	1.028E+01
1993	7.083E+05	8.399E-02	1.537E+01
1994	9.049E+05	1.049E-01	1.920E+01
1995	1.056E+06	1.195E-01	2.187E+01
1996	1.212E+06	1.340E-01	2.452E+01
1997	1.394E+06	1.512E-01	2.768E+01
1998	1.539E+06	1.632E-01	2.986E+01
1999	1.717E+06	1.786E-01	3.269E+01
2000	1.917E+06	1.963E-01	3.592E+01
2001	2.140E+06	2.161E-01	3.954E+01
2002	2.385E+06	2.378E-01	4.352E+01
2003	2.650E+06	2.612E-01	4.779E+01
2004	2.919E+06	2.841E-01	5.200E+01
2005	3.193E+06	3.068E-01	5.614E+01
2006	3.472E+06	3.291E-01	6.022E+01
2007	3.754E+06	3.510E-01	6.423E+01
2008	4.041E+06	3.726E-01	6.819E+01
2009	4.333E+06	3.939E-01	7.209E+01
2010	4.628E+06	4.149E-01	7.593E+01
2011	4.928E+06	4.357E-01	7.973E+01
2012	5.233E+06	4.561E-01	8.347E+01
2013	5.542E+06	4.763E-01	8.717E+01
2014	5.855E+06	4.963E-01	9.081E+01
2015	6.173E+06	5.160E-01	9.442E+01
2016	6.495E+06	5.355E-01	9.799E+01
2017	6.822E+06	5.547E-01	1.015E+02
2018	7.153E+06	5.738E-01	1.050E+02
2019	7.488E+06	5.926E-01	1.085E+02
2020	7.828E+06	6.113E-01	1.119E+02
2021	8.173E+06	6.298E-01	1.153E+02
2022	8.517E+06	6.476E-01	1.185E+02
2023	8.862E+06	6.647E-01	1.216E+02
2024	9.206E+06	6.811E-01	1.246E+02
2025	9.206E+06	6.544E-01	1.197E+02

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Vinyl Chloride (HAP/VOC)
 Molecular Wt = 62.50 Concentration = 7.340000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Vinyl Chloride (HAP/VOC) Emission Rate		
	Refuse In Place (Mg)	(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	3.547E-02	1.365E+01
1992	4.648E+05	6.955E-02	2.676E+01
1993	7.083E+05	1.040E-01	4.001E+01
1994	9.049E+05	1.299E-01	4.998E+01
1995	1.056E+06	1.480E-01	5.692E+01
1996	1.212E+06	1.659E-01	6.383E+01
1997	1.394E+06	1.873E-01	7.204E+01
1998	1.539E+06	2.020E-01	7.772E+01
1999	1.717E+06	2.212E-01	8.509E+01
2000	1.917E+06	2.431E-01	9.350E+01
2001	2.140E+06	2.675E-01	1.029E+02
2002	2.385E+06	2.945E-01	1.133E+02
2003	2.650E+06	3.234E-01	1.244E+02
2004	2.919E+06	3.518E-01	1.353E+02
2005	3.193E+06	3.798E-01	1.461E+02
2006	3.472E+06	4.074E-01	1.567E+02
2007	3.754E+06	4.346E-01	1.672E+02
2008	4.041E+06	4.614E-01	1.775E+02
2009	4.333E+06	4.878E-01	1.876E+02
2010	4.628E+06	5.138E-01	1.976E+02
2011	4.928E+06	5.395E-01	2.075E+02
2012	5.233E+06	5.648E-01	2.173E+02
2013	5.542E+06	5.898E-01	2.269E+02
2014	5.855E+06	6.145E-01	2.364E+02
2015	6.173E+06	6.389E-01	2.458E+02
2016	6.495E+06	6.630E-01	2.551E+02
2017	6.822E+06	6.869E-01	2.642E+02
2018	7.153E+06	7.105E-01	2.733E+02
2019	7.488E+06	7.338E-01	2.823E+02
2020	7.828E+06	7.569E-01	2.912E+02
2021	8.173E+06	7.798E-01	3.000E+02
2022	8.517E+06	8.019E-01	3.085E+02
2023	8.862E+06	8.230E-01	3.166E+02
2024	9.206E+06	8.433E-01	3.244E+02
2025	9.206E+06	8.103E-01	3.117E+02

Model Parameters

Lo : 100.00 m³ / Mg
 k : 0.0400 1/yr
 NMOC : 595.00 ppmv
 Methane : 50.0000 % volume
 Carbon Dioxide : 50.0000 % volume
 Air Pollutant : Xylene (HAP/VOC)
 Molecular Wt = 106.17 Concentration = 12.100000 ppmV

Landfill Parameters

Landfill type : No Co-Disposal
 Year Opened : 1990 Current Year : 2025 Closure Year: 2025
 Capacity : 9206108 Mg
 Average Acceptance Rate Required from
 Current Year to Closure Year : 0.00 Mg/year

Model Results

Year	Refuse In Place (Mg)	Xylene (HAP/VOC) Emission Rate	
		(Mg/yr)	(Cubic m/yr)
1991	2.324E+05	9.933E-02	2.249E+01
1992	4.648E+05	1.948E-01	4.411E+01
1993	7.083E+05	2.912E-01	6.595E+01
1994	9.049E+05	3.638E-01	8.239E+01
1995	1.056E+06	4.144E-01	9.384E+01
1996	1.212E+06	4.647E-01	1.052E+02
1997	1.394E+06	5.244E-01	1.188E+02
1998	1.539E+06	5.657E-01	1.281E+02
1999	1.717E+06	6.194E-01	1.403E+02
2000	1.917E+06	6.807E-01	1.541E+02
2001	2.140E+06	7.492E-01	1.697E+02
2002	2.385E+06	8.246E-01	1.867E+02
2003	2.650E+06	9.056E-01	2.051E+02
2004	2.919E+06	9.852E-01	2.231E+02
2005	3.193E+06	1.064E+00	2.409E+02
2006	3.472E+06	1.141E+00	2.584E+02
2007	3.754E+06	1.217E+00	2.756E+02
2008	4.041E+06	1.292E+00	2.926E+02
2009	4.333E+06	1.366E+00	3.093E+02
2010	4.628E+06	1.439E+00	3.258E+02
2011	4.928E+06	1.511E+00	3.421E+02
2012	5.233E+06	1.582E+00	3.582E+02
2013	5.542E+06	1.652E+00	3.740E+02
2014	5.855E+06	1.721E+00	3.897E+02
2015	6.173E+06	1.789E+00	4.051E+02
2016	6.495E+06	1.857E+00	4.205E+02
2017	6.822E+06	1.924E+00	4.356E+02
2018	7.153E+06	1.990E+00	4.505E+02
2019	7.488E+06	2.055E+00	4.654E+02
2020	7.828E+06	2.120E+00	4.800E+02
2021	8.173E+06	2.184E+00	4.945E+02
2022	8.517E+06	2.245E+00	5.085E+02
2023	8.862E+06	2.305E+00	5.219E+02
2024	9.206E+06	2.362E+00	5.348E+02
2025	9.206E+06	2.269E+00	5.138E+02