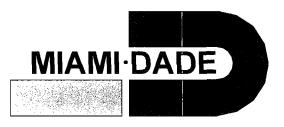
Application for Air Permit

Revision - 1

Volume 1 of 2

Miami-Dade County Resources Recovery Facility

May 10, 1999



Department of Solid Waste Management

Miami-Dade County, Florida Department of Solid Waste Management

Submitted to:

State of Florida
Department of Environmental Protection
Division of Air Resources Management

BROWN AND CALDWELL



August 31, 1999

RECEIVED

SEP 02 1999

BUREAU OF AIR REGULATION

Mr. Scott M. Sheplak, P.E. Administrator Title V. Section State of Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, FL 32399-2400

Re: Title V Permit Application

Dade County Resources Recovery Facility

FDEP Letter July 28, 1999

Dear Mr. Sheplak:

The information requested in your letter is contained in the bound document entitled.

"Application for Air Permit
Revision – 1
Volume 1 of 2
Miami-Dade County Resources Recovery Facility
May 10, 1999."

Two complete copies of the document are transmitted, as is an extra copy of the section you requested be changed, ("B Facility Regulations").

Please note that in December 1998 officials of Miami-Dade County and the operator of the facility, Montenay Power Corp., met with FDEP staff in Tallahassee to address the best way to incorporate changes necessitated by NSPS to all applicable permit instruments, specifically the Title V application, the existing Power Plant Site Certification Conditions of Certification (COC), and the existing PSD permit. The document enclosed is the result of the effort to conform the Title V permit application document to the required changes, (i.e., we made changes to the Title V document as required by NSPS and to make all permit instruments consistent with one another).

The reviews and modifications by FDEP to the PSD/COC have been ongoing and are nearing completion. Given that some further changes to PSD/COC may occur, the Title V application document transmitted herewith will likely need some additional minor changes to ensure consistency among all instruments. However, the section you requested, "B. Facility Regulations", is final to the best of my knowledge.

8675 Northwest 53 Street, Suite 201, Miami, Florida 33166 • 305-592-1776
"Love Your Neighbor"



Please contact me if you have any questions in this regard at (305) 594-1670.

Sincerely,

Lee S. Casey, Chief

Environmental Compliance Division

Cc w/o attachments: V. Castro – DSWM

 $W.\ Uchdorf-DSWM$

S. Agara – B&C

II A120



BROWN AND CALDWELL

RECEIVED

SEP 02 1999

May 10, 1999

BUREAU OF AIR REGULATION

Mr. Scott Shepoak
Administrator, Title V Section
Division of Air Resource Management
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

58/17684

Subject:

Miami-Dade County Resources Recovery Facility

Title V Air Permit Application Revisions

Dear Mr. Shepoak:

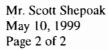
Brown and Caldwell is herewith submitting the revised Title V Air Permit Application for the Miami-Dade County Resources Recovery Facility (MDCRRF), on behalf of the Miami-Dade County Department of Solid Waste Management (DSWM). The MDCRRF is owned by DSWM and operated by Montenay Power Corp. (MPC). The original Title V Air Permit Application was submitted on June 15, 1996 and is currently under review by the Florida Department of Environmental Protection (FDEP).

Due to recent changes in Maximum Available Control Technology (MACT) regulations, DSWM and MPC held discussions with the FDEP to revise the Prevention of Significant Deterioration (PSD) permit (PSD-FL-006A) and Conditions of Certification (PA-77-08). These proposed changes to the PSD permit, which adopt the changes between the earlier MACT proposal and the final rule, have been submitted to FDEP for approval and are expected to be approved shortly. Therefore, we are submitting this revised Title V Air Permit Application incorporating these negotiated changes to the PSD permit which supercedes the previous submittal. Please note that the original submittal included Volumes 1 and 2. This revised submittal replaces Volume 1 only and there are no changes to Volume 2.

The following are the major revisions incorporated into the Title V Air Permit Application based on the proposed revisions to the PSD permit:

• The original Title V Air Permit Application was based on both the Conditions of Certification and PSD permit, incorporating the stricter regulations of the two. The proposed PSD permit, however, has an added condition that automatically modifies the Conditions of Certification, incorporating any subsequent amendments, modifications, or renewals. Therefore, this revised Title V Air Permit Application is







based on the proposed revised PSD permit rather than the Conditions of Certification. Please refer to the attached copy of the proposed PSD permit for details.

- Five pollutants, namely, flouride, sulfuric acid mist, beryllium, arsenic, and manganese were deleted from the list of pollutants.
- The proposed revised PSD permit limits eliminate the pollutant emissions cap on pounds per hour and tons per year basis. However, since potential pollutant emissions on a pounds per hour and tons per year basis is required for the Title V Air Permit Application in the ELSA Forms, potential pollutant emissions on a pounds per hour and tons per year basis are provided. Please note that this information is based on normal operating conditions of the facility and the actual emissions may vary.
- In the previous submittal, the Facility operating capacity was determined by the amount of Resource Derived Fuel (RDF) burned at the facility. Under the revised PSD, the facility operating capacity is determined by the amount of steam generated per unit, at 180,000 lbs/hr at 625 psig and 730°F, or 110% of the maximum demonstrated load during the most recent dioxin/furan test, whichever is less. However, this restriction does not apply during the dioxin/furan testing.
- Natural gas has been added in the proposed PSD revisions as an alternative fuel in addition to propane, at a maximum heat input of 80 MMBtu/hr.
- Combustion of tires of up to 3% by weight mixed with RDF has been added.
- Used oil, oily water, oily sludge, spent greases, and oily solids has been added as combustibles, up to a maximum heat input of 0.5%, provided the oily waste meets the composition specifications of the proposed PSD permit.

Please note that this revised Title V Air Permit Application is based on the negotiated revisions to the PSD permit currently being reviewed by FDEP. Any subsequent revisions and modifications to the PSD permit will be incorporated into the Title V Air Permit Application and resubmitted accordingly.

Please contact us if you have any questions regarding this revised submittal.

Best regards,

BROWN AND CALDWELL

Eduardo F. Smith, P.E. Client Service Manager

Enclosure

c: Vicente Castro, DSWM w/o enclosure Lee Casey, DSWM Anetha Lue, MPC



Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Identification of Facility Addressed in This Application

Facility Owner/Company Name: Miami-Dade County / Montenay Power	Corp.		
2. Site Name : Dade County Resources Recovery Facil	ity		
3. Facility Identification Number:	0250348] Unknown
 Facility Location: Miami-Dade County owns a resource recapproximately 0.5 miles north of NW 58 site's legal description is the Northeast quantification. Miami-Dade County, Florida. The facili (DCRRF), is operated under contract by 	th Street immediately we uadrant, Section 17, Tow ty, known as the Dade Co	st of NW 97 nship 53 Sou ounty Resou	th Avenue, Miami. The ath, Range 40 East of
Street Address or Other Locator:	6990 NW 97th Avenue	;	
City: Miami	County: FL	Zip	Code: 33178-6430
5. Relocatable Facility?		6. Existin	g Permitted Facility?
[] Yes [X] No			es [] No

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

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:			
Name: Vicente Castro Title: Assistant Director			
2. Owner or Authorized Representative or Responsible Official Mailing Address:			
Organization/Firm: Miami-Dade County Dept. of Solid Waste Street Address: 8675 NW 53rd Street, Suite 201 City: Miami State: FL Zip Code: 33166-4598			
3. Owner/Authorized Representative or Responsible Official Telephone Numbers :			
Telephone: (305)594-1677 Fax: (305)594-1591			
4. Owner/Authorized Representative or Responsible Official Statement: 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.			
Signature Date			

* Attach letter of authorization if not currently on file.

I. Part 2 - 1

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

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type
Unknown	Boiler Unit Number 1	
Unknown	Refuse Derived Fuel Processing and Biomass Production	
Unknown	Boiler Unit Number 4	
Unknown	Ash Handling	
Unknown	Boiler Unit Number 2	
Unknown	Boiler Unit Number 3	

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

Purpose of Application and Category

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

This Application for Air Permit is submitted to obtain:

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

Current construction permit number:

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

Operation permit to be renewed:

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

Current construction permit number:

Operation permit to be revised:

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

Operation permit to be revised/corrected:

I. Part 4 - 1

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

[] Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit.
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 Fule 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.
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).
I. Part 4 - 2

DEP Form No. 62-210.900(1) - Form Effective: 3-21-96

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.

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

Application Processing Fee

Check one:

Attached - Amount :

\$0.00

[X] Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

An air construction permit is not being applied for with this application. However, Miami-Dade County obtained revised Conditions of Certification (PA 77-08) and a Final Determination for PSD (PSD-FL-006(A)) to upgrade the air pollution control equipment on each of the four existing boilers and t process trash into biomass fuel for export to an off-site cogeneration facility, including the following major activities:

- 1. Removal of the existing electrostatic precipitators (ESPs) and replacement with new air pollution cont equipment. Each existing unit will be fitted with its own dry scrubber/bag house and mercury control system.
- 2. The two existing stacks (150 ft. height) will be removed to make room for the new control equipment. These existing stacks each have a single flue servicing two boiler units. Two new, dual flue stacks (250 f height) will be installed to the north of the existing stacks, with each boiler having its own flue.
- 3. Continuous emissions monitors for SO2, CO, O2 and opacity will be installed in each unit.
- 2. Projected or Actual Date of Commencement of Construction:

3. Projected Date of Completion of Construction:

31-Jul-1999

Professional Engineer Certification

1. Professional Engineer Name:

Eduardo F. Smith

Registration Number:

50845

2. Professional Engineer Mailing Address:

Organization/Firm: Brown and Caldwell

Street Address: 6303 NW 11th Street, Suite 375

City: Miami

State: FL Zip Code: 33126-2049

3. Professional Engineer Telephone Numbers:

Telephone: (305)266-6667

Fax: (305)266-6620

I. Part 5 - 1

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

4. Professional Engineer Statement:

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

- (1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollutant control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and
- (2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain a Title V source air operation permit (check here [] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [] if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Signature: [] 99

* Affacts any exception to certification statement.

I. Part 6 - 1

I. DEP Form No. 02-7,10.900(1) - Form

HO. COSAB

Effective: 3-21-96

E(seal)

I. Part 6 - 2

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

Application Contact

1. Name and Title of Application Contact:

Name: Lee S. Casey

Title: Chief, Environmental Compliance

2. Application Contact Mailing Address:

Organization/Firm:

Miami-Dade Co. Dept. of Solid Waste

Street Address:

8675 NW 53rd Street, Suite 201

City:

Miami

FL

State:

Zip Code:

33166-4598

3. Application Contact Telephone Numbers:

Telephone:

(305)594-1581

Fax:

(305)594-1591

Application Comment

The Miami-Dade County Resources Recovery Facility is owned by Miami-Dade County and is operated under contract by Montenay Power Corp.

The existing boilers are presently being upgraded and the completion of the retrofit is scheduled to occur. sometime before November 13, 2000. The following is our approach in handling this situation in the context of securing the required major facility operating permit.

Miami-Dade County has in its possession revised Conditions of Certification (PA-77-08) and a revised PSD permit (PSD-FL-006A) reflecting the retrofit of the existing boilers air pollution control (APC) system and the trash processing system to produce biomass fuel. Since the construction of the retrofit is not complete at the time of this permit application and we prefer not to reopen the permit when construction is complete, we have in this permit application treated these permits as applicable regulations and provided compliance schedules under the compliance plan section of this document.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility, Location, and Type

544

1. Facility UTM Coordinates:

Zone:

17

East (km):

564.30

North (km):

2857.40

2. Facility Latitude/Longitude:

Latitude (DD/MM/SS):

25

Longitude (DD/MM/SS): 6

21 80

30

3. Governmental

4. Facility Status

50

5. Facility Major Group SIC Code: 6. Facility SIC(s):

Facility Code:

Code: Α

49

7. Facility Comment:

This facility produces electricity from the combustion of Refuse Derived Fuel (RDF) from Municipal Solid Waste. Therefore the SIC code chosen is that of Electric, Gas, and Sanitary services.

Facility Contact

1. Name and Title of Facility Contact:

David Lukacie

Environmental Engineer

2. Facility Contact Mailing Address:

Organization/Firm:

Montenay Power Corp.

Street Address:

6990 NW 97th Avenue

City:

Miami

State: FL Zip Code: 33178-6430

3. Facility Contact Telephone Numbers:

Telephone:

(305)593-7000

Fax: (305)593-1826

II. Part 1 - 1

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

Facility Regulatory Classifications

1. Small Business Stationary Source?	N
2. Title V Source?	Y
3. Synthetic Non-Title V Source?	N
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	Y
5. Synthetic Minor Source of Pollutants Other than HAPs?	N
6. Major Source of Hazardous Air Pollutants (HAPs)?	N
7. Synthetic Minor Source of HAPs?	N
8. One or More Emissions Units Subject to NSPS?	Y
9. One or More Emission Units Subject to NESHAP?	Y
10. Title V Source by EPA Designation?	Y
11. Facility Regulatory Classifications Comment :	
Title V Source.	

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

Rule Applicability Analysis

This Section is not applicable since the facility is a Title V Source.

II. Part 3a - 1

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

List of Applicable Regulations

40 CFR 52.21 (All Terms and Conditions of DCRRF Permit No. PSD-FL-006A)

40 CFR 60, Subpart A

40 CFR 60, Subpart E

40 CFR 60, Subpart Ea

40 CFR 60, Appendix A

40 CFR 60, Appendix B

40 CFR 60, Appendix F

40 CFR 61

40 CFR 61, Subpart M

40 CFR 61, Appendix B

40 CFR 82

40 CFR 82, Subpart B

40 CFR 82, Subpart F

40 CFR 261.4(b)

II. Part 3b - 1

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

List of Applicable Regulations

62-4.030, F.A.C

62-4.040, F.A.C

62-4.050, F.A.C

62-4.060, F.A.C

62-4.070, F.A.C

62-4.080, F.A.C

62-4.090, F.A.C

62-4.100, F.A.C

62-4.110, F.A.C

62-4.120, F.A.C

62-4.130, F.A.C

62-4.150, F.A.C

62-4.160, F.A.C

62-4.210, F.A.C

II. Part 3b - 2

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

List of Applicable Regulations

62-4.220, F.A.C

62-17, F.A.C. (Special Air Conditions (Revised 3/2/94) of Site Certification NO. PA 77-08)

62-103.150, F.A.C

62-103.155, F.A.C

62-210.300, F.A.C

62-210.300(1), F.A.C

62-210.300(2), F.A.C

62-210.300(3), F.A.C

62-210.300(3)(a), F.A.C

62-210.300(3)(b), F.A.C

62-210.300(5), F.A.C

62-210.300(6), F.A.C

62-210.350, F.A.C

62-210.350(3), F.A.C

II. Part 3b - 3

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

List of Applicable Regulations

62-210.360, F.A.C

62-210.370(2), F.A.C

62-210.370(3), F.A.C

62-210.370(3)(a), F.A.C

62-210.650, F.A.C

62-210.700(1), F.A.C.

62-210.900, F.A.C

62-210.900(1), F.A.C

62-210.900(5), F.A.C

62-213.205, F.A.C

62-213.210, F.A.C

62-213.220, F.A.C

62-213.400, F.A.C

62-213.410, F.A.C

II. Part 3b - 4

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

List of Applicable Regulations

62-213.412, F.A.C

62-213.415, F.A.C

62-213.420, F.A.C

62-213.430, F.A.C

62-213.440, F.A.C

62-213.440(1)(b), F.A.C

62-213.460, F.A.C

62-213.900, F.A.C

62-213.900(1), F.A.C

62-256, F.A.C

62-257, F.A.C

62-281, F.A.C

62-296.320(2), F.A.C

62-296.320(3), F.A.C

II. Part 3b - 5

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

List of Applicable Regulations

62-296.320(4)(c), F.A.C

62-296.400, F.A.C

62-296.401(2), F.A.C - State Only; Not Federally Enforceable

62-296.416, F.A.C

62-296.500(1)(b), F.A.C

62-296.570(1), F.A.C

62-296.570(2), F.A.C.

62-296.570(3), F.A.C.

62-296.570(4)(a)4, F.A.C.

62-296.570(4)(b)9, F.A.C.

62-296.570(4)(c), F.A.C.

62-296.711, F.A.C.

62-204.800(7)(b), F.A.C.

62-297.310, F.A.C.

II. Part 3b - 6

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

List of Applicable Regulations 62-297.310(7)(a)1, F.A.C. 62-297.310(7)(a)2, F.A.C. 62-297.310(7)(a)3, F.A.C. 62-297.310(7)(a)4, F.A.C. 62-297.310(7)(b), F.A.C. 62-297.310(6), F.A.C. 62-297.400, F.A.C. 62-297.401, F.A.C. 62-297.411, F.A.C. 62-297.412, F.A.C. 62-297.413, F.A.C. 62-297.415, F.A.C. 62-297.417, F.A.C.

II. Part 3b - 7

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

Effective: 3-21-96

62-297.420, F.A.C.

List of Applicable Regulations

62-297.520, F.A.C.

62-297.570, F.A.C.

62-297.620, F.A.C.

62-210.700(4), F.A.C.

62-210.700(6)

62-213.300, F.A.C.

62-297, F.A.C.

62-4.020, F.A.C.

40 CFR 60.516, Subpart Eb

40 CFR 60.586, Subpart'Eb

40 CFR 60.596, Subpart Eb

40 CFR 60.336(d)(2)Cb

40 CFR 60.12

40 CFR 60.13

II. Part 3b - 8

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

List of Applicable Regulations 40 CFR 60.7(a)(5) 40 CFR 60.7 40 CFR 60.7(c)(1) 40 CFR 60.7(c)(2) 40 CFR 60.7(c)(4) 40 CFR 60.7(d) 40 CFR 60.56(a) 40 CFR 60 Subpart Cb 62-210.200, F.A.C. 62-210.700, F.A.C. 62-296.310(1), F.A.C. 62-296.310(2),F.A.C. 62-296.310(3),F.A.C. 62-297.310(4), F.A.C.

II. Part 3b - 9

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

List of Applicable Regulations

62-297.310(5)

62-297.403, F.A.C.

62-297.401, F.A.C. last two sentences

62-297.310(8)(a), F.A.C.

62-297.310(8)(b), F.A.C.

62-297.310(8)(c), F.A.C.

62-212, F.A.C.

62-272, F.A.C.

62-275, F.A.C.

62-297.340(2), F.A.C.

62-297.345, F.A.C.

40 CFR 60, Subpart Cb

40 CFR 761.20(e)

40 CFR 279.11

II. Part 3b - 10

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

<u>List of Applicable Regulations</u> 40 CFR 60, Subpart Cc

40 CFR 60, Subpart Eb

II. Part 3b - 11

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

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
СО	A
РВ	В
NOX	A
PM	В
PM10	В
SO2	A
VOC	В
DIOX	В
HCL	Α
H114	A
H027	В

II. Part 4 - 1

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

<u>Facility Pollutant Information</u>	Pollutant1	
1. Pollutant Emitted:	СО	·
2. Requested Emissions Cap:	0.0000 (lbs/hour)	(tons/year)
3. Basis for Emissions Cap Cod	e :	
4. Facility Pollutant Comment:		

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

Facility Pollutant Information	Pollutant <u>2</u>	
1. Pollutant Emitted: PB		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

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

Facility Pollutant Information	Pollutant <u>3</u>	
1. Pollutant Emitted: NOX		
2. Requested Emissions Cap :	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code :		_
4. Facility Pollutant Comment:		

II. Part 4b - 3

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

Facility Pollutant Information	Pollutant4	
1. Pollutant Emitted: PM		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

II. Part 4b - 4

DEP Form No. 62-210.900(1) - Form Effective: 3-21-96

Pollutant5	
(lbs/hour)	(tons/year)

II. Part 4b - 5

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

Facility Pollutant Information	Pollutant <u>6</u>	
1. Pollutant Emitted: SO2		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

II. Part 4b - 6

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

Facility Pollutant Information	Pollutant/	
1. Pollutant Emitted: VOC		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

II. Part 4b - 7

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

Facility Pollutant Information	Pollutant <u>8</u>	
1. Pollutant Emitted: DIOX		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

II. Part 4b - 8

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

Facility Pollutant Information	Pollutant <u>9</u>	
1. Pollutant Emitted: HCL		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

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

Facility Pollutant Information	Pollutant10	
1. Pollutant Emitted: H114		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

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

Facility Pollutant Information	Pollutant11	
1. Pollutant Emitted: H027		
2. Requested Emissions Cap:	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment:		

II. Part 4b - 11

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

D. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location:	Exhibit 1
2. Facility Plot Plan :	Exhibit 2
3. Process Flow Diagram(s):	Exhibit 3
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:	Exhibit 4
5. Fugitive Emissions Identification:	Exhibit 5
6. Supplemental Information for Construction Permit Applica	NA

Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt	Exhibit 7
8. List of Equipment/Activities Regulated under	Onsite
9. Alternative Methods of Operation :	Exhibit 9 (N/A)
10. Alternative Modes of Operation (Emissions	Exhibit 10(N/A)
11. Identification of Additional Applicable	Exhibit 11(N/A)
12. Compliance Assurance Monitoring	Exhibit 12(N/A)
13. Risk Management Plan Verification :	NA
14. Compliance Report and Plan:	Exhibit 14
15. Compliance Certification (Hard-copy Requir	Exhibit 15

II. Part 5 - 1

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

II. Part 5 - 2

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

A. TYPE OF EMISSIONS UNIT

(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section1
Boiler Unit Number 1
Type of Emissions Unit Addressed in This Section
1. Regulated or Unregulated Emissions Unit? Check one :
[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
[] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.
2. Single Process, Group of Processes, or Fugitive Only? Check one:
2. Single Process, Group of Processes, of Fugitive Only. Check one.
[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
[] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
[] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.
III Part I - I

Effective: 3-21-96

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

A. TYPE OF EMISSIONS UNIT

(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 2
Refuse Derived Fuel Processing and Biomass Production
Type of Emissions Unit Addressed in This Section
1. Regulated or Unregulated Emissions Unit? Check one:
[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
[] The emissions unit addressed in this Emissions Unit Information Section is an unregulate emissions unit.
 Single Process, Group of Processes, or Fugitive Only? 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, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions. This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. Part 1 - 2

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

A. TYPE OF EMISSIONS UNIT

(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section3
Ash Handling
Type of Emissions Unit Addressed in This Section
1. Regulated or Unregulated Emissions Unit? Check one :
[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
[] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.
2. Single Process, Group of Processes, or Fugitive Only? 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).
[X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
[] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. Part 1 - 3

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

A. TYPE OF EMISSIONS UNIT (Regulated and Unregulated Emissions Units)

Emissio	ns Unit Information Section 4
Boiler Ui	nit Number 2
Type of	Emissions Unit Addressed in This Section
1. Regu	lated or Unregulated Emissions Unit? Check one :
[X]	The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
[]	The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.
 Singl [X] [] 	e Process, Group of Processes, or Fugitive Only? 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, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions. This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. Part 1 - 4

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

A. TYPE OF EMISSIONS UNIT

(Regulated and Unregulated Emissions Units)

Emissio	ons Unit Information Section 5
Boiler U	nit Number 3
Type of	Emissions Unit Addressed in This Section
1. Regu	alated or Unregulated Emissions Unit? Check one:
/ [X]	The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
[]	The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.
2. Singl	le Process, Group of Processes, or Fugitive Only? Check one:
[X]	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
[]	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
[]	This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. Part 1 - 5

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

A. TYPE OF EMISSIONS UNIT (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section6	
Boiler Unit Number 4	
Type of Emissions Unit Addressed in This Section	
1. Regulated or Unregulated Emissions Unit? Check one:	
[X] The emissions unit addressed in this Emissions Unit International Emissions unit.	formation Section is a regulated
[] The emissions unit addressed in this Emissions Unit Infermissions unit.	Formation Section is an unregulated
2. Single Process, Group of Processes, or Fugitive Only? Check	one:
[X] This Emissions Unit Information Section addresses, as process or production unit, or activity, which produces which has at least one definable emission point (stack of	one or more air pollutants and
[] This Emissions Unit Information Section addresses, as process or production units and activities which has at (stack or vent) but may also produce fugitive emissions	least one definable emission point
[] This Emissions Unit Information Section addresses, as more process or production units and activities which p	

III. Part I - 6

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

Emissions one intomation section	Emissions	Unit Information Section	1
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Emissions Unit Description and Status

1.	1. Description of Emissions Unit Addressed in This Section :			
	Boiler Unit Number 1			
2.	Emissions Unit Identification	Number:		
	[] No Corresponding I	D [X] Un	ıknown	
3.	Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major	
	Code: A	[] Yes [X] No	Group SIC Code: 49	
6.	Emissions Unit Comment:			
This EU-BU1 unit is undergoing an Air Pollution Control Equipment upgrade according to the revised Conditions of Certification. Currently, the emissions from this unit mix with those from BU2				
	and the combined emissions exit a shared flue. After the upgrade, the emissions from BU2 will exit in separate flues. The two flues will be in one dual flue stack and will include the lime silo and mercury control reagent silo baghouses, and fugitive emissions.			

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

Emissions Un	nit Information	Section	2
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Emissions Unit Description and Status

1. Description of Emissions Un	nit Addressed in This Section:	
Refuse Derived Fuel Processin	g and Biomass Production	
2. Emissions Unit Identification [] No Corresponding		Unknown
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49
processing and production is a Garbage dust collectors, MAC	also included. C Model Numbers: 144MWP212- ctors, Clarke Serial Numbers: PAI	

III. Part 2 - 2

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

Emissions Unit Information Section	3
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Emissions Unit Description and Status

1. Description of Emissions Unit	Addressed in This Section:	
Ash Handling		
Emissions Unit Identification No Corresponding I		nknown
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49
(if any), the Ash Handling Build store about 3 days of bottom and	ling (AHB), and related fugitive en	st and 3 west louvers. Trucks enter

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

Emissions Unit Description and Status

1. Description of Emissions Unit	Addressed in This Section:	
Boiler Unit Number 2		
Emissions Unit Identification I No Corresponding II		ıknown
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49
6. Emissions Unit Comment:		
This EU-BU2 unit is undergoing an Air Pollution Control Equipment upgrade according to the revised Conditions of Certification. Currently, the emissions from this unit mix with those from BU1 and the combined emissions exit a shared flue. After the upgrade, the emissions from BU1 and BU2 will exit in separate flues. The two flues will be in one dual flue stack and will include the lime silo and mercury control reagent silo baghouses, and fugitive emissions.		

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

Emissions V	Unit I	nformation	Section	5
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Emissions Unit Description and Status

1. Description of Emissions Un	it Addressed in This Section:	
Boiler Unit Number 3		
2. Emissions Unit Identification	n Number :	
[] No Corresponding		Unknown
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49
revised Conditions of Certifica		m this unit mix with those from BU4
will exit in separate flues. The		e, the emissions from BU3and BU4 stack and will include the lime silo ons.

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

Emissions Unit Information Section	6
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Emissions Unit Description and Status

1. Description of Emissions Unit	Addressed in This Section:	·
Boiler Unit Number 4		
Emissions Unit Identification I No Corresponding II		known
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 49
6. Emissions Unit Comment:		
This EU-BU4 unit is undergoing an Air Pollution Control Equipment upgrade according to the revised Conditions of Certification. Currently, the emissions from this unit mix with those from BU3 and the combined emissions exit a shared flue. After the upgrade, the emissions from BU3 and BU4 will exit in separate flues. The two flues will be in one dual flue stack and will include the lime silo and mercury control reagent silo baghouses, and fugitive emissions.		

Emissions Unit Information Section 1	
Boiler Unit Number 1	
Emissions Unit Control Equipment 1	
Description: Staged Air Combustion (Multiple air zones in furnace) - Exisiting	
2. Control Device or Method Code: 25	

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Emissions Unit Information Section	1	
Boiler Unit Number 1		
Emissions Unit Control Equipment	2	
Description: Centrifugal Collector		
2. Control Device or Method Code:	9	

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

Emissions Unit Information Section	<u> </u>
Boiler Unit Number 1	
Emissions Unit Control Equipment	3
Description: Lime slurry scrubbing/Spray Dryer Abs	orber - Upgrade

67

III. Part 3 - 3

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

2. Control Device or Method Code:

Emissions Unit Information Section	1
Boiler Unit Number 1	
Emissions Unit Control Equipment	4
1. Description : Fabric Filter - Upgrade	
2. Control Device or Method Code :	16

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

Emissions Unit Information Section	<u> </u>
Boiler Unit Number 1	
Emissions Unit Control Equipment	5
Description : Mercury Control Reagent Injection - Up	grade
2 Control Device or Method Code:	00

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

Emissions Unit Information Section	2
Refuse Derived Fuel Processing and Biomass	Production
Emissions Unit Control Equipment	1

1. Description:

Fabric Filter - Existing - Clarke Equipment Serial No. PAFX5720XX88337 (baghouse) filter. This filter connects primarily with the #3 trash processing shredder and also services covered conveyor belts

2. Control Device or Method Code:

17

III. Part 3 - 6

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

Emissions Unit Information Section 2 Refuse Derived Fuel Processing and Biomass Production

Emissions Unit Control Equipment

1. Description:

Fabric Filter - Existing - Clarke Equipment Serial No. PAFX5720XX88338 (baghouse) filter. This filter connects primarily with the #1 trash processing shredder and also services covered conveyor belts.

2. Control Device or Method Code:

17

Emissions Unit Information Section	2
Refuse Derived Fuel Processing and Biomass	Production

Emissions Unit Control Equipment 3

1. Description:

Fabric Filter - Existing - Clarke Equipment Serial No. PAFX5720XX88339 (baghouse) filter. This filter connects primarily with the #2 trash processing shredder and also services covered conveyor belts.

2. Control Device or Method Code: 17

8

Emissions Unit Information Section 2

Refuse Derived Fuel Processing and Biomass Production

Emissions Unit Control Equipment 4

1. Description:

Fabric Filter - Existing - Clarke Equipment Serial No. PAFX9520XX88340 (baghouse) filter. This filter connects with the #1 & #2 trash processing magnets and also services covered conveyor belts.

2. Control Device or Method Code: 17

Emissions Unit Information Section 2
Refuse Derived Fuel Processing and Biomass Production
Emissions Unit Control Equipment 5
 Description: Fabric Filter - Existing - MAC Equipment 144MWP212-160 garbage shredder line (baghouse) filter. This filter connects with the garbage shredder and also services covered conveyor belts.
2 Control Device or Method Code: 17

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Emissions Unit Information Section 2

Refuse Derived Fuel Processing and Biomass Production

Emissions Unit Control Equipment 6

1. Description:

Fabric Filter - Existing - MAC Equipment 144MWP212-160 garbage shredder line (baghouse) filter. This filter connects with the garbage shredder and also services covered conveyor belts.

2. Control Device or Method Code: 17

Emissions Unit Information Section 2

Refuse Derived Fuel Processing and Biomass Production

Emissions Unit Control Equipment 7

1. Description:

Fabric Filter - Existing - MAC Equipment 120MWP312-256 garbage process line (baghouse) filter. This filter connects to an unders magnet and to various conveyors and trommels.

2. Control Device or Method Code: 16

Emissions Unit Information Section 2 Refuse Derived Fuel Processing and Biomass Production

Emissions Unit Control Equipment 8

1. Description:

Fabric Filter - Existing - MAC Equipment 120MWP312-256 garbage process line (baghouse) filter. This filter connects to an unders magnet and to various conveyors and trommels.

2. Control Device or Method Code:

17

III. Part 3 -13

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Emissions Unit Information Section	3
Ash Handling	
Emissions Unit Control Equipment	1
Description: Ash Silo Baghouse	
2. Control Device or Method Code :	17

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Emissions Unit Information Section	3
Ash Handling	
Emissions Unit Control Equipment	2
Description: Ash Conditioner	
2. Control Device or Method Code :	61

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Emissions Unit Information Section	<u>4</u>
Boiler Unit Number 2	
Emissions Unit Control Equipment	1
Description: Staged Air Combustion (Multiple air zo	nes in furnace) - Exisiting
2 Control Daviss on Mathed Code	

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Emissions Unit Information Section	<u>4</u>
Boiler Unit Number 2	
Emissions Unit Control Equipment	2
Description: Centrifugal Collector	
2. Control Device or Method Code :	9

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Emissions Unit Information Section 4	
Boiler Unit Number 2	
Emissions Unit Control Equipment 3	
Description: Lime slurry scrubbing/Spray Dryer Absorber - Upgrade	
2 Control Device or Method Code: 67	

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Emissions Unit Information Section	4	
Boiler Unit Number 2		
Emissions Unit Control Equipment	4	
Description : Fabric Filter - Upgrade		
2. Control Device or Method Code :	16	

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Emissions Unit Information Section	4
Boiler Unit Number 2	
Emissions Unit Control Equipment	5
Description: Mercury Control Reagent Injection - Upg	grade
2. Control Device or Method Code :	99

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Emissions Unit Information Section	5
Boiler Unit Number 3	
Emissions Unit Control Equipment	1

1. Description: Staged Air Combustion (Multiple air zones in furnace) - Exisiting

2. Control Device or Method Code:

25

III. Part 3 -21

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Emissions Unit Information Section	5
Boiler Unit Number 3	
Emissions Unit Control Equipment	2
Description: Centrifugal Collector	
2. Control Device or Method Code:	9

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

Emissions Unit Information Section	
Boiler Unit Number 3	
Emissions Unit Control Equipment	3
Description: Lime slurry scrubbing/Spray Dryer Abs	sorber - Upgrade

2. Control Device or Method Code: 67

III. Part 3 - 23

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

Emissions Unit Information Section	5	
Boiler Unit Number 3		
Emissions Unit Control Equipment	4	
Description: Fabric Filter - Upgrade		
2. Control Device or Method Code :	16	

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Emissions Unit Information Section 5	
Boiler Unit Number 3	
Emissions Unit Control Equipment 5	
Description: Mercury Control Reagent Injection - Upgrade	
2. Control Device or Method Code: 99	

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Emissions Unit Information Section	
Boiler Unit Number 4	
Emissions Unit Control Equipment	1
Description: Staged Air Combustion (Multiple air zo	ones in furnace) - Exisiting

25

III. Part 3 - 26

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2. Control Device or Method Code:

Emissions Unit Information Section	6
Boiler Unit Number 4	
Emissions Unit Control Equipment	2
Description: Centrifugal Collector	
2. Control Device or Method Code :	9

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

Emissions Unit Information Section	
Boiler Unit Number 4	
Emissions Unit Control Equipment	3
Description : Lime slurry scrubbing/Spray Dryer Abs	sorber - Upgrade

2. Control Device or Method Code: 67

III. Part 3 - 28

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Emissions Unit Information Section	6
Boiler Unit Number 4	
Emissions Unit Control Equipment	4
Description: Fabric Filter - Upgrade	
2. Control Device or Method Code :	16

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

Emissions Unit Information Section	6
Boiler Unit Number 4	
Emissions Unit Control Equipment	5
Description: Mercury Control Reagent Injection - Upgr	rade
2. Control Device or Method Code :	99

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C. EMISSIONS UNIT DETAIL INFORMATION (Regulated Emissions Units Only)

Emissions Unit Information Section	1
Roiler Unit Number 1	

Emissions Unit Details

1. Initial Startup Date:	01-Jan-1982	
2. Long-term Reserve Shutdown Date :		
3. Package Unit : Manufacturer : Zurn		Model Number: Serial No. 101155
4. Generator Nameplate Rating: 77	MW	·
5. Incinerator Information : Dwell Temperature : Dwell Time : Incinerator Afterburner Temperature :	1,600 1.00	Degrees Fahrenheit Seconds Degrees Fahrenheit

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	302	mmBtu/	/hr	
2. Maximum Incinerator Rate:	60480.00	lb/hr	725.76	tons/day
3. Maximum Process or Throughpu	ıt Rate :	33	ТР	H of RDF
4. Maximum Production Rate:	195000		lbs/hr	
5. Operating Capacity Comment: The combustor unit is designed for a capacity of 27 tons/hr of 5600 Btu/lb RDF, or 302.4 mmBtu/hr. Actual throughput will vary with RDF heating value and steam production max=195000#/hr@625psig				

Emissions Unit Operating Schedule

Requested Maximum Op	perating Schedule:	
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

III. Part 4 - 1

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

Effective: 3-21-96

& 730F

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C. EMISSIONS UNIT DETAIL INFORMATION (Regulated Emissions Units Only)

Emissions	Unit	Informa	ıtion	Section

Refuse Derived Fuel Processing and Biomass Production

Emissions Unit Details

1. Initial Startup Date:	01-Jan-1982	
2. Long-term Reserve Shutdown Date :		
3. Package Unit : Manufacturer : N/A		Model Number :
4. Generator Nameplate Rating:	MW	
5. Incinerator Information : Dwell Temperature : Dwell Time :		Degrees Fahrenheit Seconds
Incinerator Afterburner Temperature:		Degrees Fahrenheit

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	mmBtu/hr		
2. Maximum Incinerator Rate:	lb/hr	tons/day	
3. Maximum Process or Throughput Rate:	1336000	tons/year	
4. Maximum Production Rate:			
5. Operating Capacity Comment: Throughput rate in item No.3 above are based upon nominal design data and not a maximum limit. Per PSD-FL-006A the unit capacity is determined by steam flow max of 180,000lbs/hr per unit @625psig,730F			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
24 hours/day	7 days/week	
52 weeks/year	8,760 hours/year	

III. Part 4 -

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

DEP Form No. 62-210.900(1) - Form Effective: 3-21-96

C. EMISSIONS UNIT DETAIL INFORMATION (Regulated Emissions Units Only)

Emissions Unit Information Section Ash Handling	3	
Emissions Unit Details		
1. Initial Startup Date:	01-Jan-1982	
2. Long-term Reserve Shutdown Date :		
3. Package Unit:		
Manufacturer: N/A		Model Number: N/A
4. Generator Nameplate Rating:	MW	
5. Incinerator Information:		
Dwell Temperature:		Degrees Fahrenheit
Dwell Time:		Seconds
Incinerator Afterburner Temperature:		Degrees Fahrenheit
Emissions Unit Operating Capacity		
1. Maximum Heat Input Rate:	mmBtu/hr	

4. Maximum Production Rate :

3. Maximum Process or Throughput Rate:

2. Maximum Incinerator Rate:

5. Operating Capacity Comment:

Throughput rate in item No.3 above is based upon nominal design data and is not a maximum limit. Per PSD-FL-006A the max capacity is determined by steam output of 180,000#/hr per unit @ 625psig 730F.

lb/hr

200000

tons/day

tons per year

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
24 hou	rs/day	7 days/week	
52 wee	eks/year	8,760 hours/year	

5

III. Part 4 -

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C. EMISSIONS UNIT DETAIL INFORMATION (Regulated Emissions Units Only)

Emissions	Unit Inform	mation Section
------------------	--------------------	----------------

4

Boiler Unit Number 2

Emissions Unit Details

1. Initial Startup Date : 01-Jan-1982

2. Long-term Reserve Shutdown Date:

3. Package Unit:

Manufacturer: Zurn Model Number: Serial No. 101156

4. Generator Nameplate Rating: 77 MW

5. Incinerator Information:

Dwell Temperature: 1,600 Degrees Fahrenheit

Dwell Time: 1.00 Seconds

Incinerator Afterburner Temperature: Degrees Fahrenheit

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	302	mmBtu/hr			
2. Maximum Incinerator Rate:	60480.00	lb/hr	725.76	tons/day	
3. Maximum Process or Throughpo	ut Rate:	33	TP	H of RDF	

195000

5. Operating Capacity Comment:

4. Maximum Production Rate:

The combustor unit is designed for a capacity of 27 tons/hr of 5600 Btu/lb RDF, or 302.4 mmBtu/hr. Actual throughput will vary with RDF heating value and steam production max=195000#/hr@625psig & 730F

lbs/hr

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :		
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

III. Part 4 -

7

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

C. EMISSIONS UNIT DETAIL INFORMATION (Regulated Emissions Units Only)

Emissions	Unit	Informati	tion	Section

Boiler Unit Number 3

Emissions Unit Details

1. Initial Startup Date:

01-Jan-1982

2. Long-term Reserve Shutdown Date:

3. Package Unit:

Manufacturer: Zurn Model Number: Serial No. 101157

4. Generator Nameplate Rating:

77

MW

5. Incinerator Information:

Dwell Temperature:

1,600

Degrees Fahrenheit

Dwell Time:

1.00

Seconds Degrees Fahrenheit

Incinerator Afterburner Temperature:

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: 302	mmBtu/hr
---------------------------------	----------

2. Maximum Incinerator Rate:

60480.00

lb/hr 725.76

tons/day

3. Maximum Process or Throughput Rate:

33

TPH of RDF

4. Maximum Production Rate:

195000

lbs/hr

5. Operating Capacity Comment:

The combustor unit is designed for a capacity of 27 tons/hr of 5600 Btu/lb RDF, or 302.4 mmBtu/hr. Actual throughput will vary with RDF heating value and steam production max=195000#/hr@625psig & 730F

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:

24 hours/day

7 days/week

52 weeks/year

8,760 hours/year

III. Part 4 -

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

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

C. EMISSIONS UNIT DETAIL INFORMATION (Regulated Emissions Units Only)

Emissions	Unit	Information	Section	6

Boiler Unit Number 4

Emissions Unit Details

1. Initial Startup Date :	01-Jan-1982	
2. Long-term Reserve Shutdown Date :		
3. Package Unit: Manufacturer: Zurn		Model Number: Serial No. 101158
4. Generator Nameplate Rating: 77	MW	
5. Incinerator Information:		
Dwell Temperature:	1,600	Degrees Fahrenheit
Dwell Time :	1.00	Seconds
Incinerator Afterburner Temperature:		Degrees Fahrenheit

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	302	mmBtu/l	hr	
2. Maximum Incinerator Rate:	60480.00	lb/hr	725.76	tons/day
3. Maximum Process or Throughpu	it Rate :	33	ТР	H of RDF
4. Maximum Production Rate:	195000	<u> </u>	lbs/hr	
5. Operating Capacity Comment: The combustor unit is designed for a capacity of 27 tons/hr of 5600 Btu/lb RDF, or 302.4 mmBtu/hr. Actual throughput will vary with RDF heating value and steam production max=195000#/hr@625psig				

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year

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

Effective: 3-21-96

& 730F

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

Emissions Unit Information Section Boiler Unit Number I
Rule Applicability Analysis
This section is not applicable since the facility is a Title V source.

Emissions Unit Information Section 2 Refuse Derived Fuel Processing and Biomass Production
Rule Applicability Analysis
This section is not applicable since the facility is a Title V source.

III. Part 6a - 2

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

Ash Handling
Rule Applicability Analysis
This section is not applicable since the facility is a Title V source.

Emissions Unit Information Section Boiler Unit Number 2	
Rule Applicability Analysis	
This section is not applicable since the facility is a Title V source.	

III. Part 6a - 4

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	Boiler Unit Number 3	<u>5</u>		
Rule Applicability Analysis				
	This section is not applicable since the facility is	s a Title V source.		

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	Boiler Unit Number 4	•	
Rule Applicability Analysis			
	This section is not applicable since the facility is a Title V source.		

III. Part 6a - 6

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

Emissions Unit Information Section

Boiler Unit Number 1

List of Applicable Regulations

40 CFR 52.21 (All terms and conditions of DCRRF permit No. PSD-FL-006A)

40 CFR 60, Subpart A

40 CFR 60, Subpart E

40 CFR 60, Subpart Ea

40 CFR 60, Appendix A

40 CFR 60, Appendix B

40 CFR 60, Appendix F

40 CFR 61

40 CFR 61, Subpart M

40 CFR 61, Appendix B

40 CFR 82

40 CFR 82, Subpart B

40 CFR 82, Subpart F

40 CFR 261.4(b)

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

Emissions Unit Information Section

Boiler Unit Number 1

List of Applicable Regulations

62-4.030, F.A.C.

62-4.040, F.A.C

62-4.050, F.A.C

62-4.060, F.A.C

62-4.070, F.A.C

62-4.080, F.A.C.

62-4.090, F.A.C

62-4.100, F.A.C

62-4.110, F.A.C

62-4.120, F.A.C

62-4.130, F.A.C

62-4.150, F.A.C

62-4.160, F.A.C

62-4.210, F.A.C

III. Part 6b - 2

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

Emissions Unit Information Section Boiler Unit Number 1 **List of Applicable Regulations** 62-4.220, F.A.C 62-17, F.A.C. (Special Air Conditions (Revised 3/2/94) of Site Certification NO. PA 77-08) 62-103.150, F.A.C 62-103.155, F.A.C 62-210.300, F.A.C 62-210.300(1), F.A.C 62-210.300(2), F.A.C 62-210.300(3), F.A.C 62-210.300(3)(a), F.A.C 62-210.300(3)(b), F.A.C 62-210.300(5), F.A.C 62-210.300(6), F.A.C 62-210.350, F.A.C 62-210.350(3), F.A.C

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List of Applicable Regulations

62-210.360, F.A.C

62-210.370(2), F.A.C

62-210.370(3), F.A.C

62-210.370(3)(a), F.A.C

62-210.650, F.A.C

62-210.900, F.A.C

62-210.900(1), F.A.C

62-210.900(5), F.A.C

62-213.205, F.A.C

62-213.210, F.A.C

62-213.220, F.A.C

62-213.400, F.A.C

62-213.410, F.A.C

62-213.412, F.A.C

III. Part 6b - 4

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

Emissions Unit Information Section Boiler Unit Number 1 **List of Applicable Regulations** 62-213.415, F.A.C 62-213.420, F.A.C 62-213.430, F.A.C 62-213.440, F.A.C 62-213.440(1)(b), F.A.C 62-213.460, F.A.C 62-213.900, F.A.C 62-213.900(1), F.A.C 62-256, F.A.C 62-257, F.A.C 62-281, F.A.C 62-296.320(2), F.A.C 62-296.320(3), F.A.C

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

Effective: 3-21-96

62-296.320(4)(c), F.A.C

62-296.400, F.A.C

62-296.401(2), F.A.C - State Only; Not Federally Enforceable

62-296.416, F.A.C

62-296.500(1)(b), F.A.C

62-296.570(1), F.A.C

62-296.570(2), F.A.C.

62-296.570(3), F.A.C.

62-296.570(4)(a)4, F.A.C.

62-296.570(4)(b)9, F.A.C.

62-296.570(4)(c), F.A.C.

62-296.711, F.A.C.

62-297.310, F.A.C.

62-297.400, F.A.C.

62-297.401, F.A.C.

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

62-297.411, F.A.C.

62-297.412, F.A.C.

62-297.413, F.A.C.

62-297.415, F.A.C.

62-297.417, F.A.C.

62-297.420, F.A.C.

62-297.520, F.A.C.

62-297.570, F.A.C.

62-297.620, F.A.C.

62-210.700(1), F.A.C.

62-296.310(3)(B), F.A.C.

62-210.200, F.A.C.

62-210.700, F.A.C.

62-297.310(8), F.A.C.

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

Emissions Unit Information Section 1

Boiler Unit Number 1

List of Applicable Regulations

62-204.800(7)(B), F.A.C.

62-297.310(7)(a)1, F.A.C.

62-297.310(7)(a)2, F.A.C.

62-297.310(7)(a)3, F.A.C.

62-297.310(7)(a)4, F.A.C.

62-297.310(7)(b), F.A.C.

62-297.310(6), F.A.C.

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

Emissions Unit Information Section

Refuse Derived Fuel Processing and Biomass Production

List of Applicable Regulations

40 CFR 52.21 (All terms and conditions of DCRRF permit No. PSD-FL-006A)

62-4.030, F.A.C. to 62-213.900(1), F.A.C. all the same regulations as for the boilers apply

62-296.310(1),(2),(3), F.A.C.

62-296.320(2), F.A.C.

62-296.711, F.A.C.

62-297.310, F.A.C.

62-297.401, F.A.C

62-297.520, F.A.C

62-297.620, F.A.C

62-17, F.A.C. (Special Air Conditions (Revised 3/2/94) of Site Certification NO. PA 77-08)

Ash Handling

List of Applicable Regulations

40 CFR 52.21 (All terms and conditions of DCRRF permit No. PSD-FL-006A) State:

62-4.020, F.A.C. to 62-213.900(1), F.A.C., all the same regulations as for the boiler units

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62-296.310(2),(3), F.A.C.

62-296.711, F.A.C.

62-297.310, F.A.C.

62-297.401, F.A.C.

62-297.520, F.A.C.

62-297.620, F.A.C.

62-17, F.A.C. (Special Air Conditions (Revised 3/2/94) of Site Certification NO. PA 77-08)

62-296.320(2), F.A.C.

62-702.500(1)(C)

62-702.570(5)

List of Applicable Regulations

40 CFR 82, Subpart B

40 CFR 82, Subpart F

40 CFR 261.4(b)

62-4.030, F.A.C.

62-4.040, F.A.C

62-4.050, F.A.C

62-4.060, F.A.C

62-4.070, F.A.C

62-4.080, F.A.C.

62-4.090, F.A.C

62-4.100, F.A.C

62-4.110, F.A.C

62-4.120, F.A.C

62-4.130, F.A.C

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Emissions	Tini4	Informati	on Soction
Emissions	Unit	iniormatic	on Section

List of Applicable Regulations

62-4.150, F.A.C

62-4.160, F.A.C

62-4.210, F.A.C

62-4.220, F.A.C

62-17, F.A.C. (Special Air Conditions (Revised 3/2/94) of Site Certification NO. PA 77-08)

62-103.150, F.A.C

62-103.155, F.A.C

62-210.300, F.A.C

62-210.300(1), F.A.C

62-210.300(2), F.A.C

62-210.300(3), F.A.C

62-210.300(3)(a), F.A.C

62-210.300(3)(b), F.A.C

62-210.300(5), F.A.C

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List of Applicable Regulations

62-210.300(6), F.A.C

62-210.350, F.A.C

62-210.350(3), F.A.C

62-210.360, F.A.C

62-210.370(2), F.A.C

62-210.370(3), F.A.C

62-210.370(3)(a), F.A.C

62-210.650, F.A.C

62-210.900, F.A.C

62-210.900(1), F.A.C

62-210.900(5), F.A.C

62-213.205, F.A.C

62-213.210, F.A.C

62-213.220, F.A.C

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List of Applicable Regulations

62-213.400, F.A.C

62-213.410, F.A.C

62-213.412, F.A.C

62-213.415, F.A.C

62-213.420, F.A.C

62-213.430, F.A.C

62-213.440, F.A.C

62-213.440(1)(b), F.A.C

62-213.460, F.A.C

62-213.900, F.A.C

62-213.900(1), F.A.C

62-256, F.A.C

62-257, F.A.C

62-281, F.A.C

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62-296.320(2), F.A.C

62-296.320(3), F.A.C

62-296.320(4)(c), F.A.C

62-296.400, F.A.C

62-296.401(2), F.A.C - State Only; Not Federally Enforceable

62-296.416, F.A.C

62-296.500(1)(b), F.A.C

62-296.570(1), F.A.C

62-296.570(2), F.A.C.

62-296.570(3), F.A.C.

62-296.570(4)(a)4, F.A.C.

62-296.570(4)(b)9, F.A.C.

62-296.570(4)(c), F.A.C.

62-296.711, F.A.C.

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List of Applicable Regulations

62-297.310, F.A.C.

62-297.400, F.A.C.

62-297.401, F.A.C.

62-297.411, F.A.C.

62-297.412, F.A.C.

62-297.413, F.A.C.

62-297.415, F.A.C.

62-297.417, F.A.C.

62-297.420, F.A.C.

62-297.520, F.A.C.

62-297.570, F.A.C.

62-297.620, F.A.C.

62-210.700(1), F.A.C.

62-296.310(3)(B), F.A.C.

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62-210.200, F.A.C.

62-210.700, F.A.C.

62-297.310(8), F.A.C.

62-204.800(7)(B), F.A.C.

62-297.310(7)(a)1, F.A.C.

62-297.310(7)(a)2, F.A.C.

62-297.310(7)(a)3, F.A.C.

62-297.310(7)(a)4, F.A.C.

62-297.310(7)(b), F.A.C.

62-297.310(6), F.A.C.

40 CFR 52.21 (All terms and conditions of DCRRF permit No. PSD-FL-006A)

40 CFR 60, Subpart A

40 CFR 60, Subpart E

40 CFR 60, Subpart Ea

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Emissions Unit Information Section

Boiler Unit Number 2

List of Applicable Regulations

40 CFR 60, Appendix A

40 CFR 60, Appendix B

40 CFR 60, Appendix F

40 CFR 61

40 CFR 61, Subpart M

40 CFR 61, Appendix B

40 CFR 82

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List of Applicable Regulations

62-17, F.A.C. (Special Air Conditions (Revised 3/2/94) of Site Certification NO. PA 77-08)

62-103.150, F.A.C

62-103.155, F.A.C

62-210.300, F.A.C

62-210.300(1), F.A.C

62-210.300(2), F.A.C

62-210.300(3), F.A.C

62-210.300(3)(a), F.A.C

62-210.300(3)(b), F.A.C

62-210.300(5), F.A.C

62-210.300(6), F.A.C

62-210.350, F.A.C

62-210.350(3), F.A.C

62-210.360, F.A.C

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List of Applicable Regulations

62-210.370(2), F.A.C

62-210.370(3), F.A.C

62-210.370(3)(a), F.A.C

62-210.650, F.A.C

62-210.900, F.A.C

62-210.900(1), F.A.C

62-210.900(5), F.A.C

62-213.205, F.A.C

62-213.210, F.A.C

62-213.220, F.A.C

62-213.400, F.A.C

62-213.410, F.A.C

62-213.412, F.A.C

62-213.415, F.A.C

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List of Applicable Regulations

62-213.420, F.A.C

62-213.430, F.A.C

62-213.440, F.A.C

62-213.440(1)(b), F.A.C

62-213.460, F.A.C

62-213.900, F.A.C

62-213.900(1), F.A.C

62-256, F.A.C

62-257, F.A.C

62-281, F.A.C

62-296.320(2), F.A.C

62-296.320(3), F.A.C

62-296.320(4)(c), F.A.C

62-296.400, F.A.C

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62-296.401(2), F.A.C - State Only; Not Federally Enforceable

62-296.416, F.A.C

62-296.500(1)(b), F.A.C

62-296.570(1), F.A.C

62-296.570(2), F.A.C.

62-296.570(3), F.A.C.

62-296.570(4)(a)4, F.A.C.

62-296.570(4)(b)9, F.A.C.

62-296.570(4)(c), F.A.C.

62-296.711, F.A.C.

62-297.310, F.A.C.

62-297.400, F.A.C.

62-297.401, F.A.C.

62-297.411, F.A.C.

List of Applicable Regulations

62-297.412, F.A.C.

62-297.413, F.A.C.

62-297.415, F.A.C.

62-297.417, F.A.C.

62-297.420, F.A.C.

62-297.520, F.A.C.

62-297.570, F.A.C.

62-297.620, F.A.C.

62-210.700(1), F.A.C.

62-296.310(3)(B), F.A.C.

62-210.200, F.A.C.

62-210.700, F.A.C.

62-297.310(8), F.A.C.

62-204.800(7)(B), F.A.C.

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List of Applicable Regulations

62-297.310(7)(a)1, F.A.C.

62-297.310(7)(a)2, F.A.C.

62-297.310(7)(a)3, F.A.C.

62-297.310(7)(a)4, F.A.C.

62-297.310(7)(b), F.A.C.

62-297.310(6), F.A.C.

40 CFR 52.21 (All terms and conditions of DCRRF permit No. PSD-FL-006A)

40 CFR 60, Subpart A

40 CFR 60, Subpart E

40 CFR 60, Subpart Ea

40 CFR 60, Appendix A

40 CFR 60, Appendix B

40 CFR 60, Appendix F

40 CFR 61

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

40 CFR 61, Subpart M

40 CFR 61, Appendix B

40 CFR 82

40 CFR 82, Subpart B

40 CFR 82, Subpart F

40 CFR 261.4(b)

62-4.030, F.A.C.

62-4.040, F.A.C

62-4.050, F.A.C

62-4.060, F.A.C

62-4.070, F.A.C

62-4.080, F.A.C.

62-4.090, F.A.C

62-4.100, F.A.C

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List of Applicable Regulations

62-4.110, F.A.C

62-4.120, F.A.C

62-4.130, F.A.C

62-4.150, F.A.C

62-4.160, F.A.C

62-4.210, F.A.C

62-4.220, F.A.C

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40 CFR 60, Subpart Ea

40 CFR 60, Appendix A

40 CFR 60, Appendix B

40 CFR 60, Appendix F

40 CFR 61

40 CFR 61, Subpart M

40 CFR 61, Appendix B

40 CFR 82

40 CFR 82, Subpart B

40 CFR 82, Subpart F

40 CFR 261.4(b)

62-4.030, F.A.C.

62-4.040, F.A.C

62-4.050, F.A.C

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

List of Applicable Regulations

62-4.060, F.A.C

62-4.070, F.A.C

62-4.080, F.A.C.

62-4.090, F.A.C

62-4.100, F.A.C

62-4.110, F.A.C

62-4.120, F.A.C

62-4.130, F.A.C

62-4.150, F.A.C

62-4.160, F.A.C

62-4.210, F.A.C

62-4.220, F.A.C

62-17, F.A.C. (Special Air Conditions (Revised 3/2/94) of Site Certification NO. PA 77-08)

62-103.150, F.A.C

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62-103.155, F.A.C

62-210.300, F.A.C

62-210.300(1), F.A.C

62-210.300(2), F.A.C

62-210.300(3), F.A.C

62-210.300(3)(a), F.A.C

62-210.300(3)(b), F.A.C

62-210.300(5), F.A.C

62-210.300(6), F.A.C

62-210.350, F.A.C

62-210.350(3), F.A.C

62-210.360, F.A.C

62-210.370(2), F.A.C

62-210.370(3), F.A.C

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

List of Applicable Regulations

62-210.370(3)(a), F.A.C

62-210.650, F.A.C

62-210.900, F.A.C

62-210.900(1), F.A.C

62-210.900(5), F.A.C

62-213.205, F.A.C

62-213.210, F.A.C

62-213.220, F.A.C

62-213.400, F.A.C

62-213.410, F.A.C

62-213.412, F.A.C

62-213.415, F.A.C

62-213.420, F.A.C

62-213.430, F.A.C

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62-213.440, F.A.C

62-213.440(1)(b), F.A.C

62-213.460, F.A.C

62-213.900, F.A.C

62-213.900(1), F.A.C

62-256, F.A.C

62-257, F.A.C

62-281, F.A.C

62-296.320(2), F.A.C

62-296.320(3), F.A.C

62-296.320(4)(c), F.A.C

62-296.400, F.A.C

62-296.401(2), F.A.C - State Only; Not Federally Enforceable

62-296.416, F.A.C

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

62-296.500(1)(b), F.A.C

62-296.570(1), F.A.C

62-296.570(2), F.A.C.

62-296.570(3), F.A.C.

62-296.570(4)(a)4, F.A.C.

62-296.570(4)(b)9, F.A.C.

62-296.570(4)(c), F.A.C.

62-296.711, F.A.C.

62-297.310, F.A.C.

62-297.400, F.A.C.

62-297.401, F.A.C.

62-297.411, F.A.C.

62-297.412, F.A.C.

40 CFR 52.21 (All terms and conditions of DCRRF permit No. PSD-FL-006A)

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

List of Applicable Regulations

40 CFR 60, Subpart A

40 CFR 60, Subpart E

62-297.413, F.A.C.

62-297.415, F.A.C.

62-297.417, F.A.C.

62-297.420, F.A.C.

62-297.520, F.A.C.

62-297.570, F.A.C.

62-297.620, F.A.C.

62-210.700(1), F.A.C.

62-296.310(3)(B), F.A.C.

62-210.200, F.A.C.

62-210.700, F.A.C.

62-297.310(8), F.A.C.

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

Emissions Unit Information Section

Boiler Unit Number 4

List of Applicable Regulations

62-204.800(7)(B), F.A.C.

62-297.310(7)(a)1, F.A.C.

62-297.310(7)(a)2, F.A.C.

62-297.310(7)(a)3, F.A.C.

62-297.310(7)(a)4, F.A.C.

62-297.310(7)(b), F.A.C.

62-297.310(6), F.A.C.

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

E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section1		
Boiler Unit Number 1		
Emission Point Description and Type:		
1. Identification of Point on Plot Plan or Flow Diagram :	SB1-1	
2. Emission Point Type Code :	_	
3. Descriptions of Emission Points Comprising this Emis (limit to 100 characters per point)	sions Unit for VI	E Tracking :
4. ID Numbers or Descriptions of Emission Units with th	is Emission Poin	t in Common:
N/A		
5. Discharge Type Code :	V	
6. Stack Height:	250	feet
7. Exit Diameter:	8.5	feet
8. Exit Temperature :	270	°F
9. Actual Volumetric Flow Rate :	177200	acfm
10. Percent Water Vapor :	14.90	%
11. Maximum Dry Standard Flow Rate:	109054	dscfm
12. Nonstack Emission Point Height:	0	feet
13. Emission Point UTM Coordinates :		
Zone: 17 East (km): 564.483 III. Part 7a - 1	North (k	m): 2857.558

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

14. Emission Point Comment:

The provided stack information corresponds to the upgrade project. Preliminary design information provided for items #8 through #11. As-built information or test data not yet available.

III. Part 7a - 2

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

E. EMISSION POINT (STACK/VENT) INFORMATION

Ash Handling	
Emission Point Description and Type:	
1. Identification of Point on Plot Plan or Flow Diagra	am : S-AH-I
2. Emission Point Type Code:	
Descriptions of Emission Points Comprising this I (limit to 100 characters per point) Ash silo baghouse and ash conditioning reagent baghouse.	
4. ID Numbers or Descriptions of Emission Units wi	ith this Emission Point in Common :
5. Discharge Type Code :	P
6. Stack Height:	85 feet
7. Exit Diameter :	0.0 feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate:	0 acfm
10. Percent Water Vapor:	0.00 %
11. Maximum Dry Standard Flow Rate:	0 dscfm
12. Nonstack Emission Point Height:	85 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 564.400 III. Part 7a - 3	North (km): 2857.558

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

Emissions Unit Information Section

14. Emission Point Comment:

The provided information corresponds to the upgrade project. Preliminary data are provided although final design data is not yet available.

III. Part 7a - 4

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

E. EMISSION POINT (STACK/VENT) INFORMATION

Boiler Unit Number 2		
Emission Point Description and Type:		
1. Identification of Point on Plot Plan or Flow Diagram:	SB2-1	
2. Emission Point Type Code:		
3. Descriptions of Emission Points Comprising this Emis (limit to 100 characters per point)	sions Unit for VI	E Tracking:
4. ID Numbers or Descriptions of Emission Units with the N/A	nis Emission Poin	t in Common :
5. Discharge Type Code :	V	
6. Stack Height:	250	feet
7. Exit Diameter:	8.5	feet
8. Exit Temperature :	270	°F
9. Actual Volumetric Flow Rate:	177200	acfm
10. Percent Water Vapor:	14.90	%
11. Maximum Dry Standard Flow Rate:	109054	dscfm
12. Nonstack Emission Point Height:	0	feet
13. Emission Point UTM Coordinates:		
Zone: 17 East (km): 564.483 III. Part 7a - 5	North (kr	m): 2857.558

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

Emissions Unit Information Section

14. Emission Point Comment:

The provided stack information corresponds to the upgrade project. Preliminary design information provided for items #8 through #11. As-built information or test data not yet available.

III. Part 7a - 6

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

E. EMISSION POINT (STACK/VENT) INFORMATION

5

Boiler Unit Number 3		
Emission Point Description and Type:		
1. Identification of Point on Plot Plan or Flow Diagram	: SB3-1	
2. Emission Point Type Code:		
3. Descriptions of Emission Points Comprising this Em (limit to 100 characters per point)	issions Unit for VI	E Tracking :
4. ID Numbers or Descriptions of Emission Units with	this Emission Poin	nt in Common :
5. Discharge Type Code :	V	
6. Stack Height:	250	feet
7. Exit Diameter :	8.5	feet
8. Exit Temperature :	270	°F
9. Actual Volumetric Flow Rate:	177200	acfm
10. Percent Water Vapor :	14.90	%
11. Maximum Dry Standard Flow Rate:	109054	dscfm
12. Nonstack Emission Point Height:	0	feet
13. Emission Point UTM Coordinates:		
Zone: 17 East (km): 564.483	North (k	m): 2857.558

III. Part 7a - 7

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

Emissions Unit Information Section

14. Emission Point Comment:

The provided stack information corresponds to the upgrade project. Preliminary design information provided for items #8 through #11. As-built information or test data not yet available.

III. Part 7a - 8

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

Boiler Unit Number 4		
Emission Point Description and Type:		
1. Identification of Point on Plot Plan or Flow Diagram:	SB4-1	
2. Emission Point Type Code :		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking : (limit to 100 characters per point)		
4. ID Numbers or Descriptions of Emission Units with the N/A	nis Emission Poin	t in Common :
5. Discharge Type Code:	V	-
6. Stack Height:	250	feet
7. Exit Diameter:	8.5	feet
8. Exit Temperature :	270	°F
9. Actual Volumetric Flow Rate :	177200	acfm
10. Percent Water Vapor :	14.90	%
11. Maximum Dry Standard Flow Rate:	109054	dscfm
12. Nonstack Emission Point Height:	0	feet
13. Emission Point UTM Coordinates :		
Zone: 17 East (km): 564.483	North (kı	n): 2857.558

III. Part 7a - 9

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

Emissions Unit Information Section

14. Emission Point Comment:

The provided stack information corresponds to the upgrade project. Preliminary design information provided for items #8 through #11. As-built information or test data not yet available.

III. Part 7a - 10

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

Refuse Derived Fuel Processing and Biomass Production		
Emission Point Description and Type:		
1. Identification of Point on Plot Plan or Flow Diagram:	SRDF1,2,3,4,5,6,7&8	
2. Emission Point Type Code: 3		
3. Descriptions of Emission Points Comprising this Emission	ns Unit :	
SRDF1 is a 5 ft dia. vent above the 17 ft dia. trash baghouse w/	25000 scfm from shredders & process.	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
Not Applicable.		
5. Discharge Type Code :	W	
6. Stack Height:	feet	
7. Exit Diameter:	feet	
8. Exit Temperature :	77 °F	
9. Actual Volumetric Flow Rate :	acfm .	
10. Percent Water Vapor:	%	
11. Maximum Dry Standard Flow Rate:	dscfm	
12. Nonstack Emission Point Height:	55 feet	
13. Emission Point UTM Coordinates:		
Zone: 17 East (km): 564.580	North (km): 2,857.422	
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. of SDRF5-8 and The combined flow rates for points 1-4 and 5-8 after biomass respectively.		

III. Part 7b - 1

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

Emissions Unit Information Section

Refuse Derived Fuel Processing and Biomass Production	
Emission Point Description and Type:	
1. Identification of Point on Plot Plan or Flow Diagram:	SRDF1,2,3,4,5,6,7&8
2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissi	ons Unit :
SRDF2 is a 5 ft dia. vent above the 17 ft dia. trash baghouse v	w/25000 scfm from shredders & process.
4. ID Numbers or Descriptions of Emission Units with this	Emission Point in Common:
Not Applicable.	
5. Discharge Type Code :	W
6. Stack Height:	feet
7. Exit Diameter :	feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate :	acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	55 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 564.580	North (km): 2,857.422
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. of SDRF5-8 The combined flow rates for points 1-4 and 5-8 after biomas respectively.	

III. Part 7b - 3

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

Emissions Unit Information Section

Emissions Unit Information Section	2
•	

Refuse Derived Fuel Processing and Biomass Production

Emission Point Description and Type:

1. Identification of Point on Plot Plan or Flow Diagram :	SRDF1,2,3,4,5,6,7&8
2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emiss	ions Unit :
SRDF3 is a 5 ft dia. vent above the 17 ft dia. trash baghouse	w/28000 scfm from biomass trommels.
4. ID Numbers or Descriptions of Emission Units with this	s Emission Point in Common:
Not Applicable.	
5. Discharge Type Code:	W
6. Stack Height:	feet
7. Exit Diameter:	feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate:	acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	55 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 564.580	North (km): 2,857.422
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. of SDRF5- The combined flow rates for points 1-4 and 5-8 after bioma respectively.	•

Emissions Unit Information Section 2

Refuse Derived Fuel Processing and Biomass Product	cion
Emission Point Description and Type:	
1. Identification of Point on Plot Plan or Flow D	Diagram : SRDF1,2,3,4,5,6,7&8
2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising	this Emissions Unit :
SRDF4 is a 5 ft dia. vent above the 19 ft dia. trasl	n baghouse w/42000 scfm from biomass trommels.
4. ID Numbers or Descriptions of Emission Uni	its with this Emission Point in Common:
Not Applicable.	
5. Discharge Type Code :	W
6. Stack Height:	feet
7. Exit Diameter :	feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate:	acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	55 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 56	4.580 North (km): 2,857.422
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. of SDRF5-8 are: Zone 17, 564.503 E & 2857.370 N. The combined flow rates for points 1-4 and 5-8 after biomass are 113000 acfm & 53,000 ascfm, respectively.	

III. Part 7b - 7

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

Emissions	Unit In	formation	Section	2

Refuse Derived Fuel Processing and Biomass Production

Emission Point Description and Type:

1. Identification of Point on Plot Plan or Flow Diagram	: SRDF1,2,3,4,5,6,7&8
2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Em	issions Unit :
SRDF5 is a 2 ft dia. vent above the 11.5 ft dia. trash bagho	ouse w/20000 scfm from shredders.
4. ID Numbers or Descriptions of Emission Units with t	this Emission Point in Common:
Not Applicable.	
5. Discharge Type Code:	W
6. Stack Height:	feet
7. Exit Diameter :	feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate :	acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	55 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 564.580	North (km): 2,857.422
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. of SDRF5-8 are: Zone 17, 564.503 E & 2857.370 N. The combined flow rates for points 1-4 and 5-8 after biomass are 113000 acfm & 53,000 ascfm, respectively.	

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

Emissions Unit Information Section 2	
Refuse Derived Fuel Processing and Biomass Production	
Emission Point Description and Type:	
1. Identification of Point on Plot Plan or Flow Diagram:	SRDF1,2,3,4,5,6,7&8
2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissi	ons Unit :
SRDF6 is a 2 ft dia. vent above the 11.5 ft dia. trash baghouse	e w/20000 scfm from shredders.
4. ID Numbers or Descriptions of Emission Units with this	Emission Point in Common:
Not Applicable.	
5. Discharge Type Code :	W
6. Stack Height:	feet
7. Exit Diameter :	feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate :	acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	55 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 564.580	North (km): 2,857.422
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. of SDRF5-5 The combined flow rates for points 1-4 and 5-8 after biomas	

III. Part 7b - 11

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

Effective : 3-21-96

respectively.

DEP Form No. 62-210.900(1) - Form Effective : 3-21-96

Emissions Unit Information Section 2	
Refuse Derived Fuel Processing and Biomass Production	
Emission Point Description and Type:	
1. Identification of Point on Plot Plan or Flow Diagram:	SRDF1,2,3,4,5,6,7&8
2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emiss	sions Unit:
SRDF7 is a 2 ft dia. vent above the 13.7 ft dia. trash baghous	se w/33000 scfm from process points.
4. ID Numbers or Descriptions of Emission Units with thi	is Emission Point in Common :
Not Applicable.	
5. Discharge Type Code :	W
6. Stack Height:	feet
7. Exit Diameter:	feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate :	acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	55 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 564.580	North (km): 2,857.422
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. of SDRF5 The combined flow rates for points 1-4 and 5-8 after biomarespectively.	

III. Part 7b - 13

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

Refuse Derived Fuel Processing and Biomass Productio	n
Emission Point Description and Type:	
1. Identification of Point on Plot Plan or Flow Dia	gram : SRDF1,2,3,4,5,6,7&8
2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising th	is Emissions Unit :
SRDF8 is a 2 ft dia. vent above the 13.7 ft dia. trash	baghouse w/33000 scfm from process points.
4. ID Numbers or Descriptions of Emission Units	with this Emission Point in Common:
Not Applicable.	
5. Discharge Type Code :	W
6. Stack Height:	feet
7. Exit Diameter:	feet
8. Exit Temperature :	77 °F
9. Actual Volumetric Flow Rate:	acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	55 feet
13. Emission Point UTM Coordinates:	
Zone: 17 East (km): 564.	North (km): 2,857.422
14. Emission Point Comment: Item 13 represents SDRF1-4 Coord. The Coord. or The combined flow rates for points 1-4 and 5-8 aft respectively.	f SDRF5-8 are: Zone 17, 564.503 E & 2857.370 N. er biomass are 113000 acfm & 53,000 ascfm,

III. Part 7b - 15

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

Emissions Unit Information Section

Emissions Unit Information Section			
Boiler Unit Number 1			
Segment Description and Rate: Segment	1		
1. Segment Description (Process/Fuel Type and	1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):		
The primary fuel for this facility is refused derived fuel (RDF). However, per PSD-FL-006A, this facility is allowed to combust up to 3% (by weight) of used tires and upto 0.5% of the maximum heat input (on a monthly average) of used oil, oily water, sludge, spent greases, and oily solids (such as rags) generated from on-site sources. Since RDF is the primary fuel, all calculations are based on RDF only. Please refer to PSD-FL-006A for details.			
2. Source Classification Code (SCC): 5-01-001-03			
3. SCC Units: Tons Processed			
4. Maximum Hourly Rate: 32.83	5. Maximum Annual Rate: 287,556.00		
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:		
9. Million Btu per SCC Unit: 11			
10. Segment Comment:			
Item 9 is 11.2 million BTU/ton The normal operating method will be the combustion of refuse derived fuel, including garbage, trash, tires, used oil, etc., per PSD-FL-006A.			

III. Part 8 - 1

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

Emissions Unit Information Section1_			
Boiler Unit Number 1			
Segment Description and Rate: Segment 2			
1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):			
Combustion of auxiliary propane or natural gas in boilers, not to exceed 80MMBtu/hr. All auxiliary fuel calculations are based the use of propane only.			
2. Source Classification Code (SCC): 5-01-900-10			
3. SCC Units: Gallons Used			
4. Maximum Hourly Rate: 900.00 5. Maximum Annual Rate: 6,100,000.00			
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur : 8. Maximum Percent Ash :			
9. Million Btu per SCC Unit: 0			
10. Segment Comment:			
Propane/natural gas combusted in boilers not to exceed 80MMBtu/hr. Item 7 is 0.012%. Item 9 is 90800 Btu/gal.			

III. Part 8 - 3

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

Emissions Unit Information Section 2			
Refuse Derived Fuel Processing and Biomass Production			
Segment Description and Rate: Segment	1		
1. Segment Description (Process/Fuel Type and A	Associated Operating Method/Mode):		
Not Applicable			
2. Source Classification Code (SCC):			
3. SCC Units:			
4. Maximum Hourly Rate:	5. Maximum Annual Rate:		
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:		
9. Million Btu per SCC Unit:			
10. Segment Comment:	·		

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

Emissions Unit Information Section 3	-			
Ash Handling				
Segment Description and Rate: Segment	Segment Description and Rate: Segment1			
1. Segment Description (Process/Fuel Type and A	Associated Operating Method/Mode):			
Not Applicable				
2. Source Classification Code (SCC):				
3. SCC Units:				
4. Maximum Hourly Rate:	5. Maximum Annual Rate:			
6. Estimated Annual Activity Factor:				
7. Maximum Percent Sulfur :	8. Maximum Percent Ash:			
9. Million Btu per SCC Unit :				
10. Segment Comment:				

Emissions Unit Information Section 4			
Boiler Unit Number 2			
Segment Description and Rate: Segment1_			
1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):			
The primary fuel for this facility is refused derived fuel (RDF). However, per PSD-FL-006A, this facility is allowed to combust up to 3% (by weight) of used tires and upto 0.5% of the maximum heat input (on a monthly average) of used oil, oily water, sludge, spent greases, and oily solids (such as rags) generated from on-site sources. Since RDF is the primary fuel, all calculations are based on RDF only. Please refer to PSD-FL-006A for details.			
2. Source Classification Code (SCC): 5-01-001-03			
3. SCC Units: Tons Processed			
4. Maximum Hourly Rate: 32.83 5. Maximum Annual Rate: 287,556.00			
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur: 8. Maximum Percent Ash:			
9. Million Btu per SCC Unit: 11			
10. Segment Comment:			
Item 9 is 11.2 million BTU/ton The normal operating method will be the combustion of refuse derived fuel, including garbage, trash, tires, used oil, etc., per PSD-FL-006A.			

III. Part 8 - 6

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

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

Emissions Unit Information Section 4			
Boiler Unit Number 2			
Segment Description and Rate: Segment 2			
 Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Combustion of auxiliary propane or natural gas in boilers, not to exceed 80MMBtu/hr. All auxiliary fuel calculations are based the use of propane only. 			
2. Source Classification Code (SCC): 5-01-9	00-10		
3. SCC Units: Gallons Used			
4. Maximum Hourly Rate: 900.00	5. Maximum Annual Rate : 6,100,000.00		
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:		
9. Million Btu per SCC Unit: 0			
10. Segment Comment :			
Propane/natural gas combusted in boilers not to exceed 80MMBtu/hr. Item 7 is 0.012%. Item 9 is 90800 Btu/gal.			

III. Part 8 - 8

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

Emissions Unit Information Section 5	_		
Boiler Unit Number 3			
Segment Description and Rate: Segment 1			
1. Segment Description (Process/Fuel Type and	Associated Operating Method/Mode):		
input (on a monthly average) of used oil, oily wat	nt) of used tires and upto 0.5% of the maximum heat		
2. Source Classification Code (SCC): 5-01-0	001-03		
3. SCC Units: Tons Processed			
4. Maximum Hourly Rate: 32.83	5. Maximum Annual Rate: 287,556.00		
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:		
9. Million Btu per SCC Unit: 11			
10. Segment Comment:	,		
Item 9 is 11.2 million BTU/ton The normal operating method will be the combuttires, used oil, etc., per PSD-FL-006A.	stion of refuse derived fuel, including garbage, trash,		

III. Part 8 - 9

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

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

Emissions Unit Information Section 5	_		
Boiler Unit Number 3			
Segment Description and Rate: Segment2_			
1. Segment Description (Process/Fuel Type and	Associated Operating Method/Mode):		
Combustion of auxiliary propane or natural gas in fuel calculations are based the use of propane only	boilers, not to exceed 80MMBtu/hr. All auxiliary y.		
2. Source Classification Code (SCC): 5-01-9	000-10		
3. SCC Units : Gallons Used			
4. Maximum Hourly Rate: 900.00	5. Maximum Annual Rate : 6,100,000.00		
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:		
9. Million Btu per SCC Unit: 0			
10. Segment Comment :			
Propane/natural gas combusted in boilers not to different T is 0.012%. Item 9 is 90800 Btu/gal.	exceed 80MMBtu/hr.		

III. Part 8 - 11

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

Emissions Unit Information Section 6			
Boiler Unit Number 4			
Segment Description and Rate: Segment1_			
1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode):			
The primary fuel for this facility is refused derived fuel (RDF). However, per PSD-FL-006A, this facility is allowed to combust up to 3% (by weight) of used tires and upto 0.5% of the maximum heat input (on a monthly average) of used oil, oily water, sludge, spent greases, and oily solids (such as rags) generated from on-site sources. Since RDF is the primary fuel, all calculations are based on RDF only. Please refer to PSD-FL-006A for details.			
2. Source Classification Code (SCC): 5-01-001-03			
3. SCC Units: Tons Processed			
4. Maximum Hourly Rate: 32.83 5. Maximum Annual Rate: 287,556.00			
6. Estimated Annual Activity Factor:			
7. Maximum Percent Sulfur: 8. Maximum Percent Ash:			
9. Million Btu per SCC Unit: 11			
10. Segment Comment:			
Item 9 is 11.2 million BTU/ton The normal operating method will be the combustion of refuse derived fuel, including garbage, trash, tires, used oil, etc., per PSD-FL-006A.			

III. Part 8 - 12

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

Emissions Unit Information Section 6				
Boiler Unit Number 4	Boiler Unit Number 4			
Segment Description and Rate: Segment	Segment Description and Rate: Segment 2			
1. Segment Description (Process/Fuel Type and A	Associated Operating Method/Mode):			
Combustion of auxiliary propane or natural gas in fuel calculations are based the use of propane only	boilers, not to exceed 80MMBtu/hr. All auxiliary y.			
2. Source Classification Code (SCC): 5-01-9	000-10			
3. SCC Units: Gallons Used				
4. Maximum Hourly Rate: 900.00	5. Maximum Annual Rate: 6,100,000.00			
6. Estimated Annual Activity Factor:				
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:			
9. Million Btu per SCC Unit: 0				
10. Segment Comment :				
Propane/natural gas combusted in boilers not to exceed 80MMBtu/hr. Item 7 is 0.012%. Item 9 is 90800 Btu/gal.				

III. Part 8 - 14

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

G. EMISSIONS UNIT POLLUTANTS (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section Boiler Unit Number 1

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
I - CO	025		EL ·
2 - PB	016	067	EL
3 - NOX	025		EL
4 - PM	016	009	EL
5 - PM10	016	009	EL
6 - SO2	067	016	EL
7 - VOC	025		EL .
8 - DIOX	016	067	EL
9 - HCL	067	016	EL
10 - H114	099	016	EL
11 - H027	067	016	EL

III. Part 9a - 1

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

G. EMISSIONS UNIT POLLUTANTS (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 2

Refuse Derived Fuel Processing and Biomass Production

1. Pollutant Emitted	Primary Control Device Code	Secondary Control Device Code	4. Pollutant Regulatory Code
ı - PM	017		EL
2 - PM10	017		EL

G. EMISSIONS UNIT POLLUTANTS (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section	3
Ash Handling	

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM	016	061	EL

III. Part 9a - 3

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G. EMISSIONS UNIT POLLUTANTS (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 4

Boiler Unit Number 2

1. Pollutant Emitted	Primary Control Device Code	Secondary Control Device Code	4. Pollutant Regulatory Code
10 - H114	099	016	EL
11 - H027	067	016	EL
ı - CO	025		EL
2 - PB	016	067	EL
3 - NOX	025		EL
4 - PM	016	009	EL
5 - PM10	016	009	EL
6 - SO2	067	016	EL
7 - VOC	025		EL
8 - DIOX	016	067	EL
9 - HCL	067	016	EL

G. EMISSIONS UNIT POLLUTANTS (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 5 Boiler Unit Number 3

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - CO	025		EL
2 - PB	016	067	EL
3 - NOX	025		EL
4 - PM	016	009	EL
5 - PM10	016	009	EL
6 - SO2	067	016	EL
. 7 - VOC	025		EL
8 - DIOX	016	067	EL
9 - HCL	067	016	EL ·
10 - H114	099	016	EL
11 - H027	067	016	EL

III. Part 9a - 5

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

G. EMISSIONS UNIT POLLUTANTS (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section Boiler Unit Number 4

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - CO	025		EL
2 - PB	016	067	EL
3 - NOX	025		EL
4 - PM	016	009	EL
5 - PM10	016	009	EL
6 - SO2	067	016	EL
7 - VOC	025		EL
8 - DIOX	016	067	EL
9 - HCL	067	016	EL
10 - H114	099	016	EL
11 - H027	067	016	EL

III. Part 9a - 6

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

Emissions Unit Information Section1 Boiler Unit Number 1
Pollutant Potential/Estimated Emissions: Pollutant 1
1. Pollutant Emitted: CO
2. Total Percent Efficiency of Control: 0.00 %
3. Potential Emissions : 61.1000000 lb/hour 267.6000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions: 0.202 lb/mmBtu * 302.4 mmBtu/hr = 61.1 lb/hr 61.1 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 268 TPY PSD-FL-006A limit for CO is 200ppmvd@7% O2. The Emission Factor(0.202lb/MMBTU) and Potential Emissions (61.1lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III. Part 9b - 1

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

Em	issions Unit Information Section 1
Boi	ler Unit Number 1
	Item 6 is 0.202 lb/mmBtu (PSD-FL-006A limit of 200 ppmvd @7% O2 on a 24-hr daily ave).
	Item 2, is concentration dependent.
	Items 3 & 6 are based on normal operating conditions, Max varies.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1 Boiler Unit Number 1					
Pollutant Potential/Estimated Emissions: Polluta	ant	2			
1. Pollutant Emitted: PB					
2. Total Percent Efficiency of Control: 99.00	%				
3. Potential Emissions : 0.1290000 lb/hour				0.5650	000 tons/year
4. Synthetically Limited? [] Yes [X] No	_				
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	t	o	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units 11	b/MMB	TU		
7. Emissions Method Code: 0					
8. Calculations of Emissions:					
0.000427 lb/mmBtu * 302.4 mmBtu/hr = 0.129 lb/hr 0.129 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.5650 TPY PSD-FL-006A limit for Pb is 490ug/m3@7% O2,dry l Factor(0.000427lb/MMBTU) and Potential Emissions anticipated normal operating conditions. The actual m the quality of RDF and other factors.	s (0.129lb	/hr) are	cal	culated on	
9. Pollutant Potential/Estimated Emissions Comment	:				
III. Part 9b - 3					

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section	1	
	·	
Roiler Unit Number 1		

Boiler Unit Number 1

Item 6 is .000427 lb/mmBtu (PSD-FL-006A limit of 490 ug/m3 @7% O2 on a 24-hr daily ave.).

Item 2 is based on an assumed control efficiency of fabric filter for PM.

Item 3 max varies.

III. Part 9b - 4

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

ollutant Potential/Estimated Emissions: Poll	utant <u>3</u>			
. Pollutant Emitted : NOX				
. Total Percent Efficiency of Control: 0.00	%			
Potential Emissions : 125.2000000 lb/hour		548	s.4000000 tons/y	ear
Synthetically Limited? [] Yes [X] No				
. Range of Estimated Fugitive/Other Emissions:	4 0.00	to 1.0	0 tons/y	/ear
. Emissions Factor 0 Reference : PSD-FL-006A	Units lb/M	имвти		
Emissions Method Code: 0				
. Calculations of Emissions :				
0.414 lb/mmBtu * 302.4 mmBtu/hr = 125.2 lb/hr 125.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 548.4 TP PSD-FL-006A limit for NOx is 250ppmvd@7% O Potential Emissions (125.2 lb/hr) are calculated on conditions. The actual maximum emissions may v	The Emissic the basis of an	ticipated norr	mal operating	

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section1
Boiler Unit Number 1
Item 6 is 0.414 lb/mmBtu (PSD-FL-006A and MACT limit of 250 ppmvd @7% O2 on a 24-hr daily ave.).
Item 2, actual efficiency, is concentration dependent.
Item 3 maximum varies.

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Boiler Unit Number 1 Pollutant Potential/Estimated Emissions: Pollutant 4
1. Pollutant Emitted: PM
2. Total Percent Efficiency of Control: 99.00 %
3. Potential Emissions : 7.2000000 lb/hour 31.5000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor 0 Units lb/ton Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions:
0.2666 lb/ton * 27 tons/hr = 7.2 lb/hr 7.2 lb/hr * 8,760 hrs / 2,000 lbs/ton = 31.5 TPY PSD-FL-006A limit for PM is 0.012grains/dscf@7% O2. The Emission Factor(0.2666lb/ton) and Potential Emissions (7.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :

III. Part 9b - 7

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

Emissions Unit Information Section 1

Boiler Unit Number 1

Item 6 is .2666 lb/ton.

Item 2, actual efficiency, is concentration dependent.

Item 3 is based on normal operating conditions and maximum may vary.

Emissions Unit Information Section1 Boiler Unit Number 1
Pollutant Potential/Estimated Emissions: Pollutant5
1. Pollutant Emitted: PM10
2. Total Percent Efficiency of Control: 99.00 %
3. Potential Emissions : 7.2000000 lb/hour 31.5000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor 0 Units 1b/ton Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions:
0.2666lb/ton * 27 ton/hr = 7.2lb/hr 7.2lb/hr * 8,760 hr/yr / 2,000lb/ton = 31.5 TPY PSD-FL-006A limit for PM10 is 0.012grains/dscf@7% O2. The Emission Factor(0.2666lb/ton) and Potential Emissions (7.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 9

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

Emissions Unit Information Section
Boiler Unit Number 1
Item 6 is .2666 lb/ton. Item 2, actual efficiency, is concentration dependent. Item 3 is based on normal operating conditions and maximum may vary.

III. Part 9b - 10

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

Emissions Unit Information Section1 Boiler Unit Number 1
Pollutant Potential/Estimated Emissions: Pollutant 6
1. Pollutant Emitted: SO2
2. Total Percent Efficiency of Control: 75.00 %
3. Potential Emissions : 47.2000000 lb/hour 206.7000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units 1b/MMBTU Reference: PSD-FL-006A
7. Emissions Method Code : 0
8. Calculations of Emissions:
0.155 lb/mmBtu * 304.2 mmBtu/hr = 47.2 lb/hr 47.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton= 206.7 TPY PSD-FL-006A limit for SO2 is 29ppmvd@7% O2 or 75% removal. The Emission Factor(0.155lb/MMBTU) and Potential Emissions (47.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III. Part 9b - 11

DEP Form No. 62-210.900(1) - Form Effective: 3-21-96

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Εm	niss	io	ns	Unit	Inf	ormation	Section	1

Boiler Unit Number 1

Item 6 is .155 lb/mmBtu and Item 2 is 75% (PSD-FL-006A limit of 29 ppmv @7% O2 on a 24-hr daily ave. or 75% removal efficiency, whichever is least restrictive). Item 3 maximum varies.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section1 Boiler Unit Number 1
Pollutant Potential/Estimated Emissions: Pollutant 7
1. Pollutant Emitted: VOC
2. Total Percent Efficiency of Control: 0.00 %
3. Potential Emissions:
4.3700000 lb/hour 19.1000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference : PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions:
0.0145lb/mmBtu * 302.4 mmBtu/hr = 4.37lb/hr 4.37lb/hr * 8,760 hr/yr / 2,000 lb/ton = 19.1TPY PSD-FL-006A limit for VOC is 25ppmvd@7% O2. The Emission Factor(0.0145lb/MMBTU) and Potential Emissions (4.37lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III Dort Ob 12

III. Part 9b - 13

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions	Unit Inf	formation	Section	1

Boiler Unit Number 1

Item 6 is .0145 lb/mmBtu (PSD-FL-006A limit of 25 ppmvd @7% O2.

Item 2, actual efficiency, is concentration dependent.

Item 3 maximum may vary.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section				
Boiler Unit Number 1				
Pollutant Potential/Estimated Emissions: Pollut	tant <u>8</u>	_		
1. Pollutant Emitted: DIOX				
2. Total Percent Efficiency of Control: 90.00	%			
3. Potential Emissions:				
lb/hour				tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	to	1.00	tons/year
6. Emissions Factor Reference : PSD-FL-006A	Units lb/M	MBTU		
7. Emissions Method Code: 0				
8. Calculations of Emissions :				
0.000000264lb/mmBtu * 302.4 mmBtu/hr = 0.0000 0.000008lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.00003. Precision too large. Data deleted in items 3 & 6. PSD-FL-006A limit for Dioxin/Furans is 30ng/m3@ Factor(0.0000000264lb/MMBTU) and Potential Emoral of anticipated normal operating conditions. The actual upon the quality of RDF and other factors.	5TPY 7% O2 dry bas issions (0.0000	081b/hr	·) are calcu	
9. Pollutant Potential/Estimated Emissions Commen	t :			
III. Part 9b - 15				

Effective: 3-21-96

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

Emissions Unit Information Section	1
Emissions Unit Information Section	1 1

Boiler Unit Number 1

Item 6 is 2.64E-8 lb/mmBtu (PSD-FL-006A limit of 30 ng/dscm @7% O2).

Item 2, actual efficiency, is concentrations dependent.

Item 3 (0.000008lb/hr, 0.000035 TPY) maximum may vary.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Boiler Unit Number 1 Pollutant Potential/Estimated Emissions: Pollutant 9
1. Pollutant Emitted: HCL
2. Total Percent Efficiency of Control: 95.00 %
3. Potential Emissions : 35.1000000 lb/hour 153.7000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference : PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions: 0.116lb/mmBtu * 302.4 mmBtu/hr = 35.1lb/hr 35.1lb/hr * 8,760 hr/yr / 2,000 lb/ton = 153.7TPY PSD-FL-006A limit for HCL is 29ppmvd@7% O2 or 95% removal. The Emission Factor(0.116lb/MMBTU) and Potential Emissions (35.1lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III. Part 9b - 17

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions	Unit	Information	Section	1

Boiler Unit Number 1

Item 6 is 0.116 lb/mmBtu and Item 2 is 95% (PSD-FL-006A limit of 29 ppmvd @7% O2 on a 24-hr daily ave. or 95% removal, whichever is least restrictive). Item 3 maximum may vary.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1 Boiler Unit Number I				
Pollutant Potential/Estimated Emissions: Pollut	ant <u>10</u>			
1. Pollutant Emitted: H114				
2. Total Percent Efficiency of Control: 80.00	%	_		
3. Potential Emissions:				
0.0180000 lb/hour			0.0800	000 tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	to	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units lb/MM	1BTU		
7. Emissions Method Code: 0				
8. Calculations of Emissions :				
.000061 lb/mmBtu * 302.4 mmMBtu/hr = .018 lb/hr .018 lb/hr * 8760 hr/yr / 2000 lb/ton = .08 TPY PSD-FL-006A limit for Hg is 70ug/dscm@7% O2, of Factor(0.000061lb/MMBTU) and Potential Emission anticipated normal operating conditions. The actual the quality of RDF and other factors.	s (0.018lb/hr) a	re cal	culated on	
9. Pollutant Potential/Estimated Emissions Commen	t :			
III Dort Ob 10				l

III. Part 9b - 19

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions	Unit Information Section	1

Boiler Unit Number 1

Item 6 is 6.1E-5 lb/mmBtu. for Hg. and Item 2 is 80% (PSD-FL-006A limit of 70 ug/dscm @7% O2 dry basis or 80% reduction by weight). Item 3 maximum may vary.

III. Part 9b - 20

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

Emissions Unit Information Section I Boiler Unit Number I
Pollutant Potential/Estimated Emissions: Pollutant 11
1. Pollutant Emitted: H027
2. Total Percent Efficiency of Control: 99.00 %
3. Potential Emissions : 0.0163000 lb/hour 0.0714000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units mg/m3 Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions: 177200ft3/min *(68+460)/(270+460)*(1-1.49)=109100 SDCFM 109100 SDCFM* .0283 m3/ft3*1lb/453.6 g*1g/1000 mg*.040 mg/m3 * 60min/hr = .0163 lb/hr 0.0163 lb/hr * 8760 hr/ year / 2000 lb/ton = 0.0714 TPY PSD-FL-006A limit for Cd is 40ug/m3@7% O2 dry basis. The Potential Emissions (0.0163lb/hr) is calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III. Part 9b - 21

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1

Boiler Unit Number 1

Item 6 is 0.040 mg/m3, based on PSD-FL-006A

Item 2 is based on assumed control efficiency of fabric filter for PM.

Item 3 maximum may vary.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2				
Refuse Derived Fuel Processing and Biomass Production				
Pollutant Potential/Estimated Emissions: Pollur	tant1			
1. Pollutant Emitted: PM				
2. Total Percent Efficiency of Control: 99.00	%			
3. Potential Emissions :				
14.2300000 lb/hour			62.32000	000 tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	2 5.00	to	25.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units gr/dsc1	f		
7. Emissions Method Code: 5				
8. Calculations of Emissions :				
{[(53,000dscfm*.01gr/dscf)+ (113,000dscfm*.01gr/dscf)+ (113,000dscfm*.01gr/	Does not inclu	de fu	gitive emiss	
9. Pollutant Potential/Estimated Emissions Commen	t :			·
III Dout Ob 22				

III. Part 9b - 23

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissio	ns Unit	Informat	ion Secti	ion	2
				_	

Refuse Derived Fuel Processing and Biomass Production

There are two sets of four baghouses in the RDF facility. At normal operation, one set emits 53,000dscfm(4.54 lb/hr) and the other 113,000dscfm(9.69 lb/hr) for a total emission rate of 14.23 lb/hr.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2				
Refuse Derived Fuel Processing and Biomass Production				
Pollutant Potential/Estimated Emissions: Pollut	ant <u>2</u>	_		
1. Pollutant Emitted: PM10			,	
2. Total Percent Efficiency of Control: 99.00	%			
3. Potential Emissions :				
14.2300000 lb/hour			62.32000	000 tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	2 5.00	to	25.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units gr/ds	scf		
7. Emissions Method Code: 5				
8. Calculations of Emissions :				
{[(53,000dscfm*.01gr/dscf)+ (113,000dscfm*.01gr/dscf)+ (113,000dscfm*.01gr/	Does not inc	clude fu	agitive emis	
9. Pollutant Potential/Estimated Emissions Commen	t:			

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions	Unit In	formation	on Sect	ion	2

Refuse Derived Fuel Processing and Biomass Production

There are two sets of four baghouses in the RDF facility. At normal operation, one set emits 53,000dscfm(4.54 lb/hr) and the other 113,000dscfm(9.69 lb/hr) for a total emission rate of 14.23 lb/hr.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Ash Handling
Pollutant Potential/Estimated Emissions: Pollutant 1
1. Pollutant Emitted: PM
2. Total Percent Efficiency of Control: 99.90 %
3. Potential Emissions : 0.1714000 lb/hour 0.7507000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor 0 Units dscfm Reference : PSD-FL-006A
7. Emissions Method Code :
8. Calculations of Emissions :
2000dscfm * 0.01gr/dscf * .00858 = 0.1714 lb/hr (0.1714 lb/hr * 8760 hr/yr)/2000lb/ton =0.7507 TPY Per PSD-FL-006A limit of 0.01grains/dscf. Does not include fugitive emissions. Calculations based on normal operating conditions and maximum may vary.
9. Pollutant Potential/Estimated Emissions Comment:
Per PSD-FL-006A limit of 0.01 grains/dscf or visible emissions of 5% opacity. Item 3 based on normal operating conditions and excludes fugitive emissions. Maximum may vary. III. Part 9b - 27

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

Emissions Unit Information Section	3		
Ash Handling			

III. Part 9b - 28

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

Emissions Unit Information Section 4 Boiler Unit Number 2
Pollutant Potential/Estimated Emissions: Pollutant 1
1. Pollutant Emitted: CO
2. Total Percent Efficiency of Control: 0.00 %
3. Potential Emissions : 61.1000000 lb/hour 267.6000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions:
0.202 lb/mmBtu * 302.4 mmBtu/hr = 61.1 lb/hr 61.1 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 268 TPY PSD-FL-006A limit for CO is 200ppmvd@7% O2. The Emission Factor(0.202lb/MMBTU) and Potential Emissions (61.1lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 29

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4

Boiler Unit Number 2

Item 6 is 0.202 lb/mmBtu (PSD-FL-006A limit of 200 ppmvd @7% O2 on a 24-hr daily ave). Item 2, is concentration dependent.

Items 3 & 6 are based on normal operating conditions, Max varies.

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Potential/Estimated Emissions: Pollut	ant	2			
1. Pollutant Emitted: PB				-	
2. Total Percent Efficiency of Control: 99.00	9	%			
3. Potential Emissions : 0.1290000 lb/hour				0.5650	000 tons/year
4. Synthetically Limited? [] Yes [X] No					
5. Range of Estimated Fugitive/Other Emissions:	4 0.00		to	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units	lb/MM	BTU		
7. Emissions Method Code: 0				_	
8. Calculations of Emissions :					
0.000427 lb/mmBtu * 302.4 mmBtu/hr = 0.129 lb/hr 0.129 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.5650 TPY PSD-FL-006A limit for Pb is 490ug/m3@7% O2,dry Factor(0.000427lb/MMBTU) and Potential Emission anticipated normal operating conditions. The actual the quality of RDF and other factors.	basis. T s (0.1291	b/hr) are	e cal	culated on	
9. Pollutant Potential/Estimated Emissions Commen	t :				
III. Part 9b - 31					

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4

Boiler Unit Number 2

Item 6 is .000427 lb/mmBtu (PSD-FL-006A limit of 490 ug/m3 @7% O2 on a 24-hr daily ave.).

Item 2 is based on an assumed control efficiency of fabric filter for PM.

Item 3 max varies.

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

Emissions Unit Information Section 4 Boiler Unit Number 2					
Pollutant Potential/Estimated Emissions: Pollut	tant _	3			
1. Pollutant Emitted: NOX					
2. Total Percent Efficiency of Control: 0.00		%			
3. Potential Emissions: 125.2000000 lb/hour				548.4000	000 tons/year
4. Synthetically Limited? [] Yes [X] No					
5. Range of Estimated Fugitive/Other Emissions:	4 0.00		to	1.00	tons/year
6. Emissions Factor 0 Reference: PSD-FL-006A	Units	lb/MM	BTU		
7. Emissions Method Code: 0					
8. Calculations of Emissions:					
0.414 lb/mmBtu * 302.4 mmBtu/hr = 125.2 lb/hr 125.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 548.4 TPY PSD-FL-006A limit for NOx is 250ppmvd@7% O2. Potential Emissions (125.2 lb/hr) are calculated on the conditions. The actual maximum emissions may vary factors.	e basis o	of anticij	pated	normal op	perating
9. Pollutant Potential/Estimated Emissions Commen	t :				
III. Part 9b - 33					

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section	4	
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Boiler Unit Number 2

Item 6 is 0.414 lb/mmBtu (PSD-FL-006A and MACT limit of 250 ppmvd @7% O2 on a 24-hr daily ave.).

Item 2, actual efficiency, is concentration dependent.

Item 3 maximum varies.

III. Part 9b - 34

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section Boiler Unit Number 2
Pollutant Potential/Estimated Emissions: Pollutant4
1. Pollutant Emitted: PM
2. Total Percent Efficiency of Control: 99.00 %
3. Potential Emissions : 7.2000000 lb/hour 31.5000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor 0 Units 1b/ton Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions: 0.2666 lb/ton * 27 tons/hr = 7.2 lb/hr 7.2 lb/hr * 8,760 hrs / 2,000 lbs/ton = 31.5 TPY PSD-FL-006A limit for PM is 0.012grains/dscf@7% O2. The Emission Factor(0.2666lb/ton) and Potential Emissions (7.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 35

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4

Boiler Unit Number 2

Item 6 is .2666 lb/ton.

Item 2, actual efficiency, is concentration dependent.

Item 3 is based on normal operating conditions and maximum may vary.

III. Part 9b - 36

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

Emissions Unit Information Section4_ Boiler Unit Number 2
Pollutant Potential/Estimated Emissions: Pollutant5
1. Pollutant Emitted: PM10
2. Total Percent Efficiency of Control: 99.00 %
3. Potential Emissions : 7.2000000 lb/hour 31.5000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor 0 Units lb/ton Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions:
0.2666lb/ton * 27 ton/hr = 7.2lb/hr 7.2lb/hr * 8,760 hr/yr / 2,000lb/ton = 31.5 TPY PSD-FL-006A limit for PM10 is 0.012grains/dscf@7% O2. The Emission Factor(0.2666lb/ton) and Potential Emissions (7.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
 III. Part 9b - 37

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

Emissions Unit Information Section 4

Boiler Unit Number 2

Item 6 is .2666 lb/ton.

Item 2, actual efficiency, is concentration dependent.

Item 3 is based on normal operating conditions and maximum may vary.

III. Part 9b - 38

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section4 Boiler Unit Number 2
Pollutant Potential/Estimated Emissions: Pollutant 6
1. Pollutant Emitted: SO2
2. Total Percent Efficiency of Control: 75.00 %
3. Potential Emissions : 47.2000000 lb/hour 206.7000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units Ib/MMBTU Reference : PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions: 0.155 lb/mmBtu * 304.2 mmBtu/hr = 47.2 lb/hr 47.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton= 206.7 TPY PSD-FL-006A limit for SO2 is 29ppmvd@7% O2 or 75% removal. The Emission Factor(0.155lb/MMBTU) and Potential Emissions (47.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 39

Effective: 3-21-96

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

Boiler Unit Number 2

Item 6 is .155 lb/mmBtu and Item 2 is 75% (PSD-FL-006A limit of 29 ppmv @7% O2 on a 24-hr daily ave. or 75% removal efficiency, whichever is least restrictive). Item 3 maximum varies.

III. Part 9b - 40

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

Emissions Unit Information Section Boiler Unit Number 2					
Pollutant Potential/Estimated Emissions: Pollut	tant _	7			
1. Pollutant Emitted: VOC					
2. Total Percent Efficiency of Control: 0.00	1	%			
3. Potential Emissions: 4.3700000 lb/hour				19.1000	0000 tons/year
4. Synthetically Limited? [] Yes [X] No					
5. Range of Estimated Fugitive/Other Emissions:	4 0.00		to	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units	lb/MM	BTU		
7. Emissions Method Code: 0					
8. Calculations of Emissions:					
0.0145lb/mmBtu * 302.4 mmBtu/hr = 4.37lb/hr 4.37lb/hr * 8,760 hr/yr / 2,000 lb/ton = 19.1TPY PSD-FL-006A limit for VOC is 25ppmvd@7% O2. Potential Emissions (4.37lb/hr) are calculated on the The actual maximum emissions may vary, depending	basis of	anticipa	ted n	ormal ope	erating conditions.
9. Pollutant Potential/Estimated Emissions Commen	t :				

III. Part 9b - 41

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section	4
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Boiler Unit Number 2

Item 6 is .0145 lb/mmBtu (PSD-FL-006A limit of 25 ppmvd @7% O2.

Item 2, actual efficiency, is concentration dependent.

Item 3 maximum may vary.

III. Part 9b - 42

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

4

Emissions Unit Information Section

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

Boiler Unit Number 2					
Pollutant Potential/Estimated Emissions: Pollutant 8					
1. Pollutant Emitted: DIOX					
2. Total Percent Efficiency of Control: 90.00 %					
3. Potential Emissions : lb/hour	tons/year				
4. Synthetically Limited? [] Yes [X] No					
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00	tons/year				
6. Emissions Factor Units Ib/MMBTU Reference: PSD-FL-006A					
7. Emissions Method Code: 0					
8. Calculations of Emissions :					
0.000000264lb/mmBtu * 302.4 mmBtu/hr = 0.000008lb/hr 0.000008lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.000035TPY Precision too large. Data deleted in items 3 & 6. PSD-FL-006A limit for Dioxin/Furans is 30ng/m3@7% O2 dry basis. The Emission Factor(0.0000000264lb/MMBTU) and Potential Emissions (0.000008lb/hr) are calcula of anticipated normal operating conditions. The actual maximum emissions may vary, upon the quality of RDF and other factors.					
9. Pollutant Potential/Estimated Emissions Comment:					
III. Part 9b - 43					

Emissions Unit Information Section 4

Boiler Unit Number 2

Item 6 is 2.64E-8 lb/mmBtu (PSD-FL-006A limit of 30 ng/dscm @7% O2).

Item 2, actual efficiency, is concentrations dependent.

Item 3 (0.000008lb/hr, 0.000035 TPY) maximum may vary.

III. Part 9b - 44

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4 Boiler Unit Number 2
Pollutant Potential/Estimated Emissions: Pollutant 9
1. Pollutant Emitted: HCL
2. Total Percent Efficiency of Control: 95.00 %
3. Potential Emissions : 35.1000000 lb/hour 153.7000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units Ib/MMBTU Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions :
0.116lb/mmBtu * 302.4 mmBtu/hr = 35.1lb/hr 35.1lb/hr * 8,760 hr/yr / 2,000 lb/ton = 153.7TPY PSD-FL-006A limit for HCL is 29ppmvd@7% O2 or 95% removal. The Emission Factor(0.116lb/MMBTU) and Potential Emissions (35.1lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 45

DEP Form No. 62-210.900(1) - Form Effective: 3-21-96

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit	t Information	Section	4
		••••	

Boiler Unit Number 2

Item 6 is 0.116 lb/mmBtu and Item 2 is 95% (PSD-FL-006A limit of 29 ppmvd @7% O2 on a 24-hr daily ave. or 95% removal, whichever is least restrictive). Item 3 maximum may vary.

III. Part 9b - 46

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Boiler Unit Number 2					
Pollutant Potential/Estimated Emissions : Pollu	tant _	10			
1. Pollutant Emitted: H114					
2. Total Percent Efficiency of Control: 80.00	•	%			
5. Potential Emissions : 0.0180000 lb/hour				0.0800	000 tons/year
Synthetically Limited? [] Yes [X] No					
5. Range of Estimated Fugitive/Other Emissions:	4 0.00		to	1.00	tons/year
Emissions Factor 0 Reference : PSD-FL-006A	Units	lb/MM	BTU	-	
. Emissions Method Code : 0					
. Calculations of Emissions :					
.000061 lb/mmBtu * 302.4 mmMBtu/hr = .018 lb/hr .018 lb/hr * 8760 hr/yr / 2000 lb/ton = .08 TPY PSD-FL-006A limit for Hg is 70ug/dscm@7% O2, o Factor(0.000061lb/MMBTU) and Potential Emission anticipated normal operating conditions. The actual the quality of RDF and other factors.	ns (0.018	lb/hr) ar	e cal	culated on	
9. Pollutant Potential/Estimated Emissions Commen	t:				
III. Part 9b - 47					

Effective: 3-21-96

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

Emissions	Unit	Information	Section	4

Boiler Unit Number 2

Item 6 is 6.1E-5 lb/mmBtu. for Hg. and Item 2 is 80% (PSD-FL-006A limit of 70 ug/dscm @7% O2 dry basis or 80% reduction by weight). Item 3 maximum may vary.

III. Part 9b - 48

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

Emissions Unit Information Section4_	
Boiler Unit Number 2	
Pollutant Potential/Estimated Emissions: Pollut	tant <u>II</u>
1. Pollutant Emitted: H027	
2. Total Percent Efficiency of Control: 99.00	%
3. Potential Emissions: 0.0163000 lb/hour	0.0714000 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions:	4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units mg/m3
7. Emissions Method Code: 0	
8. Calculations of Emissions:	
177200ft3/min *(68+460)/(270+460)*(1-1.49)=10910 109100 SDCFM* .0283 m3/ft3*1lb/453.6 g*1g/1000 0.0163 lb/hr * 8760 hr/ year / 2000 lb/ton = 0.0714 T PSD-FL-006A limit for Cd is 40ug/m3@7% O2 dry l calculated on the basis of anticipated normal operatin may vary, depending upon the quality of RDF and otl	o mg*.040 mg/m3 * 60min/hr = .0163 lb/hr PY basis. The Potential Emissions (0.0163lb/hr) is ng conditions. The actual maximum emissions
9. Pollutant Potential/Estimated Emissions Comment	t:

III. Part 9b - 49

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4

Boiler Unit Number 2

Item 6 is 0.040 mg/m3, based on PSD-FL-006A

Item 2 is based on assumed control efficiency of fabric filter for PM.

Item 3 maximum may vary.

III. Part 9b - 50

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

Emissions Unit Information Section5 Boiler Unit Number 3
Pollutant Potential/Estimated Emissions: Pollutant1_
1. Pollutant Emitted: CO
2. Total Percent Efficiency of Control: 0.00 %
3. Potential Emissions : 61.1000000 lb/hour 267.6000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions:
0.202 lb/mmBtu * 302.4 mmBtu/hr = 61.1 lb/hr 61.1 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 268 TPY PSD-FL-006A limit for CO is 200ppmvd@7% O2. The Emission Factor(0.202lb/MMBTU) and Potential Emissions (61.1lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 51

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section	5	
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Boiler Unit Number 3

Item 6 is 0.202 lb/mmBtu (PSD-FL-006A limit of 200 ppmvd @7% O2 on a 24-hr daily ave). Item 2, is concentration dependent.

Items 3 & 6 are based on normal operating conditions, Max varies.

III. Part 9b - 52

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

Emissions Unit Information Section 5 Boiler Unit Number 3					
Pollutant Potential/Estimated Emissions: Pollut	ant	2			
1. Pollutant Emitted: PB					
2. Total Percent Efficiency of Control: 99.00	%)			
3. Potential Emissions : 0.1290000 lb/hour				0.5650	000 tons/year
4. Synthetically Limited? [] Yes [X] No					_
5. Range of Estimated Fugitive/Other Emissions:	4 0.00		to	1.00	tons/year
6. Emissions Factor 0 Reference: PSD-FL-006A	Units 1	b/MM]	BTU		
7. Emissions Method Code: 0					
8. Calculations of Emissions:					
0.000427 lb/mmBtu * 302.4 mmBtu/hr = 0.129 lb/hr 0.129 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.5650 TPY PSD-FL-006A limit for Pb is 490ug/m3@7% O2,dry Factor(0.000427lb/MMBTU) and Potential Emission anticipated normal operating conditions. The actual the quality of RDF and other factors.	basis. Th s (0.1291b	o/hr) are	e cal		
9. Pollutant Potential/Estimated Emissions Commen	t :				
III. Part 9b - 53					

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

Emissions Unit Information Section	5
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Boiler Unit Number 3

Item 6 is .000427 lb/mmBtu (PSD-FL-006A limit of 490 ug/m3 @7% O2 on a 24-hr daily ave.).

Item 2 is based on an assumed control efficiency of fabric filter for PM.

Item 3 max varies.

III. Part 9b - 54

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5 Boiler Unit Number 3				
Pollutant Potential/Estimated Emissions: Pollut	ant <u>3</u>	3		
1. Pollutant Emitted: NOX				
2. Total Percent Efficiency of Control: 0.00	%			
3. Potential Emissions: 125.2000000 lb/hour			548.4000	000 tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	to	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units 1b	/MMBTU	J	
7. Emissions Method Code : 0				
8. Calculations of Emissions:				
0.414 lb/mmBtu * 302.4 mmBtu/hr = 125.2 lb/hr 125.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 548.4 TPY PSD-FL-006A limit for NOx is 250ppmvd@7% O2. Potential Emissions (125.2 lb/hr) are calculated on the conditions. The actual maximum emissions may vary factors.	e basis of a	nticipated	d normal op	erating
9. Pollutant Potential/Estimated Emissions Commen	t :			
 III. Part 9b - 55				

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section	5	
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Boiler Unit Number 3

Item 6 is 0.414 lb/mmBtu (PSD-FL-006A and MACT limit of 250 ppmvd @7% O2 on a 24-hr daily ave.).

Item 2, actual efficiency, is concentration dependent.

Item 3 maximum varies.

III. Part 9b - 56

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

Emissions Unit Information Section5 Boiler Unit Number 3
Pollutant Potential/Estimated Emissions: Pollutant 4
1. Pollutant Emitted: PM
2. Total Percent Efficiency of Control: 99.00 %
3. Potential Emissions : 7.2000000 lb/hour 31.5000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor 0 Units lb/ton Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions: 0.2666 lb/ton * 27 tons/hr = 7.2 lb/hr 7.2 lb/hr * 8,760 hrs / 2,000 lbs/ton = 31.5 TPY PSD-FL-006A limit for PM is 0.012grains/dscf@7% O2. The Emission Factor(0.2666lb/ton) and Potential Emissions (7.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 57

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

Emissions Unit Information Section 5

Boiler Unit Number 3

Item 6 is .2666 lb/ton.

Item 2, actual efficiency, is concentration dependent.

Item 3 is based on normal operating conditions and maximum may vary.

III. Part 9b - 58

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

Emissions Unit Information Section5 Boiler Unit Number 3
Pollutant Potential/Estimated Emissions: Pollutant5
1. Pollutant Emitted: PM10
2. Total Percent Efficiency of Control: 99.00 %
3. Potential Emissions : 7.2000000 lb/hour 31.5000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor 0 Units lb/ton Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions: 0.2666lb/ton * 27 ton/hr = 7.2lb/hr 7.2lb/hr * 8,760 hr/yr / 2,000lb/ton = 31.5 TPY PSD-FL-006A limit for PM10 is 0.012grains/dscf@7% O2. The Emission Factor(0.2666lb/ton) and Potential Emissions (7.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment:
III. Part 9b - 59

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section ____5_

Boiler Unit Number 3

Item 6 is .2666 lb/ton.

Item 2, actual efficiency, is concentration dependent.

Item 3 is based on normal operating conditions and maximum may vary.

III. Part 9b - 60

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

Emissions Unit Information Section5 Boiler Unit Number 3
Pollutant Potential/Estimated Emissions: Pollutant 6
1. Pollutant Emitted: SO2
2. Total Percent Efficiency of Control: 75.00 %
3. Potential Emissions : 47.2000000 lb/hour 206.7000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference : PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions:
0.155 lb/mmBtu * 304.2 mmBtu/hr = 47.2 lb/hr 47.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton= 206.7 TPY PSD-FL-006A limit for SO2 is 29ppmvd@7% O2 or 75% removal. The Emission Factor(0.155lb/MMBTU) and Potential Emissions (47.2lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III. Part 9b - 61

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

Emissions Unit Information Section	5
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Boiler Unit Number 3

Item 6 is .155 lb/mmBtu and Item 2 is 75% (PSD-FL-006A limit of 29 ppmv @7% O2 on a 24-hr daily ave. or 75% removal efficiency, whichever is least restrictive). Item 3 maximum varies.

III. Part 9b - 62

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

Boiler Unit Number 3				
Pollutant Potential/Estimated Emissions: Polluta	nnt <u>7</u>			
1. Pollutant Emitted: VOC				
2. Total Percent Efficiency of Control: 0.00	%			
3. Potential Emissions: 4.3700000 lb/hour			19.10000	00 tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	to	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units lb/MM	IBTU		
7. Emissions Method Code: 0				
8. Calculations of Emissions:				
0.0145lb/mmBtu * 302.4 mmBtu/hr = 4.37lb/hr 4.37lb/hr * 8,760 hr/yr / 2,000 lb/ton = 19.1TPY PSD-FL-006A limit for VOC is 25ppmvd@7% O2. T Potential Emissions (4.37lb/hr) are calculated on the b The actual maximum emissions may vary, depending	oasis of anticipa	ited n	ormal opera	ting conditions.
9. Pollutant Potential/Estimated Emissions Comment	:			

III. Part 9b - 63

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

Emissions Unit Information Section	5
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Boiler Unit Number 3

Item 6 is .0145 lb/mmBtu (PSD-FL-006A limit of 25 ppmvd @7% O2.

Item 2, actual efficiency, is concentration dependent.

Item 3 maximum may vary.

III. Part 9b - 64

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Boiler Unit Number 3			
Pollutant Potential/Estimated Emissions : Pollu	itant 8	-	
1. Pollutant Emitted: DIOX			
2. Total Percent Efficiency of Control: 90.00	%		
3. Potential Emissions : lb/hour			tons/year
4. Synthetically Limited? [] Yes [X] No			
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	to 1.00	tons/year
6. Emissions Factor Reference: PSD-FL-006A	Units lb/MN	MBTU	
7. Emissions Method Code: 0			
8. Calculations of Emissions:			
0.0000000264lb/mmBtu * 302.4 mmBtu/hr = 0.0000 0.000008lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.00003 Precision too large. Data deleted in items 3 & 6. PSD-FL-006A limit for Dioxin/Furans is 30ng/m3@ Factor(0.0000000264lb/MMBTU) and Potential Errof anticipated normal operating conditions. The acture upon the quality of RDF and other factors.	35TPY 27% O2 dry basi hissions (0.0000	08lb/hr) are cale	culated on the basis
9. Pollutant Potential/Estimated Emissions Commer	nt :		
III. Part 9b - 65	5		

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

Emissions	Unit In	formation	Section	5
	OTHE HI	omination	Section)

Boiler Unit Number 3

Item 6 is 2.64E-8 lb/mmBtu (PSD-FL-006A limit of 30 ng/dscm @7% O2).

Item 2, actual efficiency, is concentrations dependent.

Item 3 (0.000008lb/hr, 0.000035 TPY) maximum may vary.

III. Part 9b - 66

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5 Boiler Unit Number 3				
Pollutant Potential/Estimated Emissions: Pollut	ant	9		
1. Pollutant Emitted: HCL				
2. Total Percent Efficiency of Control: 95.00	%			
3. Potential Emissions : 35.1000000 lb/hour			153.7000	0000 tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	to	00.1	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units II	b/MMBT	ΓU	
7. Emissions Method Code: 0				
8. Calculations of Emissions:				
0.116lb/mmBtu * 302.4 mmBtu/hr = 35.1lb/hr 35.1lb/hr * 8,760 hr/yr / 2,000 lb/ton = 153.7TPY PSD-FL-006A limit for HCL is 29ppmvd@7% O2 or Factor(0.116lb/MMBTU) and Potential Emissions (3: anticipated normal operating conditions. The actual r the quality of RDF and other factors.	5.11 <mark>b/hr)</mark> a	re calcu	lated on the	
9. Pollutant Potential/Estimated Emissions Comment	::			
III. Part 9b - 67				

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

Emissions	Unit	Information	Section	5

Boiler Unit Number 3

Item 6 is 0.116 lb/mmBtu and Item 2 is 95% (PSD-FL-006A limit of 29 ppmvd @7% O2 on a 24-hr daily ave. or 95% removal, whichever is least restrictive). Item 3 maximum may vary.

III. Part 9b - 68

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

5

Boiler Unit Number 3
Pollutant Potential/Estimated Emissions: Pollutant 10
1. Pollutant Emitted: H114
2. Total Percent Efficiency of Control: 80.00 %
3. Potential Emissions : 0.0180000 lb/hour 0.0800000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions :
.000061 lb/mmBtu * 302.4 mmMBtu/hr = .018 lb/hr .018 lb/hr * 8760 hr/yr / 2000 lb/ton = .08 TPY PSD-FL-006A limit for Hg is 70ug/dscm@7% O2, or 80% reduction. The Emission Factor(0.000061lb/MMBTU) and Potential Emissions (0.018lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III. Part 9b - 69

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

Emissions Unit Information Section

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section	5	
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Boiler Unit Number 3

Item 6 is 6.1E-5 lb/mmBtu. for Hg. and Item 2 is 80% (PSD-FL-006A limit of 70 ug/dscm @7% O2 dry basis or 80% reduction by weight). Item 3 maximum may vary.

III. Part 9b - 70

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

Emissions Unit Information Section5_ Boiler Unit Number 3	
Pollutant Potential/Estimated Emissions: Pollutant	
1. Pollutant Emitted: H027	
2. Total Percent Efficiency of Control: 99.00	%
3. Potential Emissions: 0.0163000 lb/hour	0.0714000 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions: 4 0.00	to 1.00 tons/year
6. Emissions Factor 0 Uni Reference : PSD-FL-006A	ts mg/m3
7. Emissions Method Code: 0	
8. Calculations of Emissions:	
177200ft3/min *(68+460)/(270+460)*(1-1.49)=109100 SD 109100 SDCFM* .0283 m3/ft3*1lb/453.6 g*1g/1000 mg*. 0.0163 lb/hr * 8760 hr/ year / 2000 lb/ton = 0.0714 TPY PSD-FL-006A limit for Cd is 40ug/m3@7% O2 dry basis. calculated on the basis of anticipated normal operating con may vary, depending upon the quality of RDF and other face	.040 mg/m3 * 60min/hr = .0163 lb/hr The Potential Emissions (0.0163lb/hr) is ditions. The actual maximum emissions
9. Pollutant Potential/Estimated Emissions Comment:	
III. Part 9b - 71	

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

Emissions Unit Information Section 5

Boiler Unit Number 3

Item 6 is 0.040 mg/m3, based on PSD-FL-006A

Item 2 is based on assumed control efficiency of fabric filter for PM.

Item 3 maximum may vary.

III. Part 9b - 72

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

Emissions Unit Information Section6 Boiler Unit Number 4	
Pollutant Potential/Estimated Emissions: Pollut	tant 1
1. Pollutant Emitted: CO	
2. Total Percent Efficiency of Control: 0.00	%
3. Potential Emissions: 61.1000000 lb/hour	267.6000000 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions:	4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Reference: PSD-FL-006A	Units lb/MMBTU
7. Emissions Method Code: 0	
8. Calculations of Emissions: 0.202 lb/mmBtu * 302.4 mmBtu/hr = 61.1 lb/hr 61.1 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 268 TPY PSD-FL-006A limit for CO is 200ppmvd@7% O2. 7 Potential Emissions (61.1lb/hr) are calculated on the The actual maximum emissions may vary, depending	basis of anticipated normal operating conditions.
9. Pollutant Potential/Estimated Emissions Commen	t:
III. Part 9b - 73	

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

Emissions Unit Information Section 6

Boiler Unit Number 4

Item 6 is 0.202 lb/mmBtu (PSD-FL-006A limit of 200 ppmvd @7% O2 on a 24-hr daily ave). Item 2, is concentration dependent.

Items 3 & 6 are based on normal operating conditions, Max varies.

III. Part 9b - 74

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

Emissions Unit Information Section6				
Boiler Unit Number 4				
Pollutant Potential/Estimated Emissions: Pollut	ant <u>2</u>			
1. Pollutant Emitted: PB				
2. Total Percent Efficiency of Control: 99.00	%			
3. Potential Emissions:				
0.1290000 lb/hour			0.5650	0000 tons/year
4. Synthetically Limited?				
[] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	4			
	0.00	to	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units 1b/N	ИМВТU		
7. Emissions Method Code: 0				
8. Calculations of Emissions :				
0.000427 lb/mmBtu * 302.4 mmBtu/hr = 0.129 lb/hr				
0.129 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.5650 TPY		·:		
PSD-FL-006A limit for Pb is 490ug/m3@7% O2,dry Factor(0.000427lb/MMBTU) and Potential Emission				the basis of
anticipated normal operating conditions. The actual return the quality of RDF and other factors.	maximum em	nissions 1	may vary,	depending upon
9. Pollutant Potential/Estimated Emissions Comment	::	·		

III. Part 9b - 75

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions	Unit	Information	Section	6

Boiler Unit Number 4

Item 6 is .000427 lb/mmBtu (PSD-FL-006A limit of 490 ug/m3 @7% O2 on a 24-hr daily ave.).

Item 2 is based on an assumed control efficiency of fabric filter for PM.

Item 3 max varies.

III. Part 9b - 76

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

Emissions Unit Information Section6_				
Boiler Unit Number 4				
Pollutant Potential/Estimated Emissions: Pollut	tant	3		
1. Pollutant Emitted: NOX				
2. Total Percent Efficiency of Control: 0.00	%			
3. Potential Emissions : 125.2000000 lb/hour			548.4000	0000 tons/year
4. Synthetically Limited? [] Yes [X] No	·			
5. Range of Estimated Fugitive/Other Emissions:	4 0.00	to	1.00	tons/year
6. Emissions Factor 0 Reference: PSD-FL-006A	Units 11	o/MMBTU	ſ	
7. Emissions Method Code: 0				
8. Calculations of Emissions :				
0.414 lb/mmBtu * 302.4 mmBtu/hr = 125.2 lb/hr 125.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton = 548.4 TPY PSD-FL-006A limit for NOx is 250ppmvd@7% O2. Potential Emissions (125.2 lb/hr) are calculated on the conditions. The actual maximum emissions may varifactors.	e basis of	anticipated	l normal o	perating
9. Pollutant Potential/Estimated Emissions Commen	t :			

III. Part 9b - 77

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emiss	ions	Unit	Infor	nation	Section	6	
						· ·	

Boiler Unit Number 4

Item 6 is 0.414 lb/mmBtu (PSD-FL-006A and MACT limit of 250 ppmvd @7% O2 on a 24-hr daily ave.).

Item 2, actual efficiency, is concentration dependent.

Item 3 maximum varies.

III. Part 9b - 78

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

Emissions Unit Information Section6 Boiler Unit Number 4				
Pollutant Potential/Estimated Emissions: Polluta	ant <u>4</u>			
1. Pollutant Emitted: PM				
2. Total Percent Efficiency of Control: 99.00	%	_		
3. Potential Emissions: 7.2000000 lb/hour			31.5000	000 tons/year
4. Synthetically Limited? [] Yes [X] No				
5. Range of Estimated Fugitive/Other Emissions:	1 1.00	to	5.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units lb/ton			
7. Emissions Method Code: 0				
8. Calculations of Emissions: 0.2666 lb/ton * 27 tons/hr = 7.2 lb/hr 7.2 lb/hr * 8,760 hrs / 2,000 lbs/ton = 31.5 TPY PSD-FL-006A limit for PM is 0.012grains/dscf@7% Potential Emissions (7.2lb/hr) are calculated on the bath The actual maximum emissions may vary, depending	asis of anticipat	ed no	rmal opera	ating conditions.
9. Pollutant Potential/Estimated Emissions Comment	:			

III. Part 9b - 79

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6

Boiler Unit Number 4

Item 6 is .2666 lb/ton.

Item 2, actual efficiency, is concentration dependent.

Item 3 is based on normal operating conditions and maximum may vary.

III. Part 9b - 80

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section Boiler Unit Number 4	
Pollutant Potential/Estimated Emissions: Pollutant 5	
1. Pollutant Emitted: PM10	
2. Total Percent Efficiency of Control: 99.00 %	
3. Potential Emissions: 7.2000000 lb/hour	31.5000000 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to	5.00 tons/year
6. Emissions Factor 0 Units 1b/ton Reference: PSD-FL-006A	
7. Emissions Method Code: 0	
8. Calculations of Emissions :	
0.2666lb/ton * 27 ton/hr = 7.2lb/hr 7.2lb/hr * 8,760 hr/yr / 2,000lb/ton = 31.5 TPY PSD-FL-006A limit for PM10 is 0.012grains/dscf@7% O2. The Emissio Potential Emissions (7.2lb/hr) are calculated on the basis of anticipated no The actual maximum emissions may vary, depending upon the quality of	ormal operating conditions.
9. Pollutant Potential/Estimated Emissions Comment :	

Effective: 3-21-96

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

Emissions Unit Information Section 6

Boiler Unit Number 4

Item 6 is .2666 lb/ton.

Item 2, actual efficiency, is concentration dependent.

Item 3 is based on normal operating conditions and maximum may vary.

III. Part 9b - 82

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

Emissions Unit Information Section6 Boiler Unit Number 4					
Pollutant Potential/Estimated Emissions: Pollu	tant _	6			
1. Pollutant Emitted: SO2					
2. Total Percent Efficiency of Control: 75.00		%			
3. Potential Emissions: 47.2000000 lb/hour				206.7000	000 tons/year
4. Synthetically Limited? [] Yes [X] No			-		
5. Range of Estimated Fugitive/Other Emissions:	4 0.00		to	1.00	tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units	lb/MM	1BTU	ſ	-
7. Emissions Method Code: 0		_			
8. Calculations of Emissions:					
0.155 lb/mmBtu * 304.2 mmBtu/hr = 47.2 lb/hr 47.2 lb/hr * 8,760 hr/yr / 2,000 lb/ton= 206.7 TPY PSD-FL-006A limit for SO2 is 29ppmvd@7% O2 or Factor(0.155lb/MMBTU) and Potential Emissions (4 anticipated normal operating conditions. The actual the quality of RDF and other factors.	17.2lb/h	r) are ca	lculat	ed on the b	
9. Pollutant Potential/Estimated Emissions Commen	t :				
III. Part 9b - 83					

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

Emissions Unit Information Section	6

Boiler Unit Number 4

Item 6 is .155 lb/mmBtu and Item 2 is 75% (PSD-FL-006A limit of 29 ppmv @7% O2 on a 24-hr daily ave. or 75% removal efficiency, whichever is least restrictive). Item 3 maximum varies.

III. Part 9b - 84

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6 Boiler Unit Number 4
Pollutant Potential/Estimated Emissions: Pollutant 7
1. Pollutant Emitted: VOC
2. Total Percent Efficiency of Control: 0.00 %
3. Potential Emissions : 4.3700000 lb/hour 19.1000000 tons/year
4. Synthetically Limited? [] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Units lb/MMBTU Reference: PSD-FL-006A
7. Emissions Method Code: 0
8. Calculations of Emissions :
0.0145lb/mmBtu * 302.4 mmBtu/hr = 4.37lb/hr 4.37lb/hr * 8,760 hr/yr / 2,000 lb/ton = 19.1TPY PSD-FL-006A limit for VOC is 25ppmvd@7% O2. The Emission Factor(0.0145lb/MMBTU) and Potential Emissions (4.37lb/hr) are calculated on the basis of anticipated normal operating conditions. The actual maximum emissions may vary, depending upon the quality of RDF and other factors.
9. Pollutant Potential/Estimated Emissions Comment :
III. Part 9b - 85

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions	Unit I	nformation	Section	6

Boiler Unit Number 4

Item 6 is .0145 lb/mmBtu (PSD-FL-006A limit of 25 ppmvd @7% O2.

Item 2, actual efficiency, is concentration dependent.

Item 3 maximum may vary.

III. Part 9b - 86

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section6 Boiler Unit Number 4					
Pollutant Potential/Estimated Emissions: Pollu	tant _	8			
1. Pollutant Emitted: DIOX					
2. Total Percent Efficiency of Control: 90.00	,	%			
3. Potential Emissions:					
lb/hour					tons/year
4. Synthetically Limited? [] Yes [X] No					
5. Range of Estimated Fugitive/Other Emissions:	4 0.00		to	1.00	tons/year
6. Emissions Factor Reference: PSD-FL-006A	Units	lb/MM	IBTU		
7. Emissions Method Code: 0					
8. Calculations of Emissions :					
0.000000264lb/mmBtu * 302.4 mmBtu/hr = 0.0000 0.000008lb/hr * 8,760 hr/yr / 2,000 lb/ton = 0.00003. Precision too large. Data deleted in items 3 & 6. PSD-FL-006A limit for Dioxin/Furans is 30ng/m3@ Factor(0.0000000264lb/MMBTU) and Potential Emoraticipated normal operating conditions. The acture upon the quality of RDF and other factors.	5TPY 7% O2 c issions (0	0.00000	81b/hi	r) are calc	ulated on the basis
9. Pollutant Potential/Estimated Emissions Commen	 it:				
III. Part 9b - 87					

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Boiler Unit Number 4

Item 6 is 2.64E-8 lb/mmBtu (PSD-FL-006A limit of 30 ng/dscm @7% O2).

Item 2, actual efficiency, is concentrations dependent.

Item 3 (0.000008lb/hr, 0.000035 TPY) maximum may vary.

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III. Part 9b - 88

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section6 Boiler Unit Number 4	
Pollutant Potential/Estimated Emissions: Pollutan	nt <u>9</u>
1. Pollutant Emitted: HCL	
2. Total Percent Efficiency of Control: 95.00	%
3. Potential Emissions : 35.1000000 lb/hour	153.7000000 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions: 4	4 0.00 to 1.00 tons/year
6. Emissions Factor 0 U Reference : PSD-FL-006A	Units lb/MMBTU
7. Emissions Method Code: 0	
8. Calculations of Emissions:	
0.116lb/mmBtu * 302.4 mmBtu/hr = 35.1lb/hr 35.1lb/hr * 8,760 hr/yr / 2,000 lb/ton = 153.7TPY PSD-FL-006A limit for HCL is 29ppmvd@7% O2 or 95 Factor(0.116lb/MMBTU) and Potential Emissions (35.1 anticipated normal operating conditions. The actual mathe quality of RDF and other factors.	1lb/hr) are calculated on the basis of
9. Pollutant Potential/Estimated Emissions Comment :	
 III. Part 9b - 89	

Effective: 3-21-96

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emi	ssions	Unit	In	formati	ion	Section	6

Boiler Unit Number 4

Item 6 is 0.116 lb/mmBtu and Item 2 is 95% (PSD-FL-006A limit of 29 ppmvd @7% O2 on a 24-hr daily ave. or 95% removal, whichever is least restrictive). Item 3 maximum may vary.

III. Part 9b - 90

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6 Boiler Unit Number 4	
Pollutant Potential/Estimated Emissions: Pollut	tant <u>10</u>
I. Pollutant Emitted: H114	
2. Total Percent Efficiency of Control: 80.00	%
3. Potential Emissions: 0.0180000 lb/hour	0.0800000 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions:	4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Reference : PSD-FL-006A	Units lb/MMBTU
7. Emissions Method Code: 0	
8. Calculations of Emissions: .000061 lb/mmBtu * 302.4 mmMBtu/hr = .018 lb/hr .018 lb/hr * 8760 hr/yr / 2000 lb/ton = .08 TPY PSD-FL-006A limit for Hg is 70ug/dscm@7% O2, or Factor(0.000061lb/MMBTU) and Potential Emission anticipated normal operating conditions. The actual r the quality of RDF and other factors.	ns (0.018lb/hr) are calculated on the basis of
9. Pollutant Potential/Estimated Emissions Commen	t:
III. Part 9b - 91	

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

(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions	Unit	Information	Section	6

Boiler Unit Number 4

Item 6 is 6.1E-5 lb/mmBtu. for Hg. and Item 2 is 80% (PSD-FL-006A limit of 70 ug/dscm @7% O2 dry basis or 80% reduction by weight). Item 3 maximum may vary:

III. Part 9b - 92

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

Emissions Unit Information Section6 Boiler Unit Number 4	
Pollutant Potential/Estimated Emissions: Pollu	tant <u>11</u>
1. Pollutant Emitted: H027	
2. Total Percent Efficiency of Control: 99.00	%
3. Potential Emissions : 0.0163000 lb/hour	0.0714000 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions:	4 0.00 to 1.00 tons/year
6. Emissions Factor 0 Reference: PSD-FL-006A	Units mg/m3
7. Emissions Method Code: 0	
8. Calculations of Emissions: 177200ft3/min *(68+460)/(270+460)*(1-1.49)=1091 109100 SDCFM* .0283 m3/ft3*1lb/453.6 g*1g/1000 0.0163 lb/hr * 8760 hr/ year / 2000 lb/ton = 0.0714 T PSD-FL-006A limit for Cd is 40ug/m3@7% O2 dry calculated on the basis of anticipated normal operation may vary, depending upon the quality of RDF and ot	0 mg*.040 mg/m3 * 60min/hr = .0163 lb/hr TPY basis. The Potential Emissions (0.0163lb/hr) is ng conditions. The actual maximum emissions
9. Pollutant Potential/Estimated Emissions Commen	nt:
III. Part 9b - 93	

Effective: 3-21-96

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Emissions Unit Information Section 6	Emis	sions	Unit	Information	Section	6
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Boiler Unit Number 4

Item 6 is 0.040 mg/m3, based on PSD-FL-006A

Item 2 is based on assumed control efficiency of fabric filter for PM.

Item 3 maximum may vary.

III. Part 9b - 94

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

	Emissions Unit Information Section1 Boiler Unit Number 1						
Po	Ilutant Information Section						
Al	lowable Emissions 1						
1.	Basis for Allowable Emissions Code: RULE						
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000						
3.	Requested Allowable Emissions and Units: 200.00 ppmvd @7% O2						
4.	Equivalent Allowable Emissions:						
	61.10 lb/hour 267.70 tons/year						
5.	Method of Compliance :						
	40 CFR Part 60, Appendix A, Method 10.						
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):						
	PSD-FL-006A for CO. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.						

DEP Form No. 62-210.900(1) - Form Effective: 3-21-96

	nissions Unit Information Section 1 iler Unit Number 1				
Pol	llutant Information Section 2				
<u>All</u>	lowable Emissions 1				
1.	Basis for Allowable Emissions Code:	RI	JLE		
2.	Future Effective Date of Allowable Emission	ons: 1	3-Nov-2000		
3.	Requested Allowable Emissions and Units:	49	90.00	ug/M3 @7% O2	
4.	Equivalent Allowable Emissions:				
	0.13	lb/hour	0.56	tons/year	
5.	Method of Compliance:				
	EPA Method 29(40CFR60,Subpart Ea guidelin	es for metal	s)		
6.	Pollutant Allowable Emissions Comment (I	Desc. of Re	lated Operating	Method/Mode):	
	PSD-FL-006A for Pb. Item 4 is based on norm	al operating	conditions and r	naximum may vary.	

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

Emissions Unit Information Section1 Boiler Unit Number 1							
Po	utant Information Section3						
All	owable Emissions 1						
1.	Basis for Allowable Emissions Code: RULE						
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000						
3.	Requested Allowable Emissions and Units: 250.00 ppmvd @7% O2						
4.	Equivalent Allowable Emissions:						
	125.20 lb/hour 548.40 tons/year						
5.	Method of Compliance :						
	40CFR60 Appendix A, Method 7E and Method 19						
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):						
	PSD-FL-006A for NOx. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.						

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

	nissions Unit Information Section iler Unit Number 1	1			
Po	llutant Information Section4				
<u>All</u>	owable Emissions 1				
1.	Basis for Allowable Emissions Code:	RU	JLE		
2.	Future Effective Date of Allowable Emissi	ons : 13	3-Nov-2000		
3.	Requested Allowable Emissions and Units	: 0.0)1	grain/dscf@7%O2	
4.	Equivalent Allowable Emissions:				
	7.20	lb/hour	31.50	tons/year	
5.	Method of Compliance :		_	_	
	EPA Method 5				
6.	Pollutant Allowable Emissions Comment (PSD-FL-006A for PM. Item 4 is based on nor		•		

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

	nissions Unit Information Section h Handling	3			
Po	llutant Information Section1	_			
<u>All</u>	lowable Emissions 1				
1.	Basis for Allowable Emissions Code:	RULE			
2.	Future Effective Date of Allowable Em	nissions : 13-No	ov-2000		
3.	Requested Allowable Emissions and U	nits: 0.01	g	rains/dscf	
4.	Equivalent Allowable Emissions :				
	0.17	lb/hour	0.75	tons/year	
5.	Method of Compliance :				
	EPA Method 5 or 9				
6.	Pollutant Allowable Emissions Comme	ent (Desc. of Related	d Operating M	(ethod/Mode):	
	Per PSD-FL-006A particulate matter limit is based on normal operating conditions at	_		on of 5% opacity. Ite	em 4

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

Emissions Unit Information Section Boiler Unit Number 2				
Pollutant Information Section				
Allowable Emissions 1				
1. Basis for Allowable Emissions Code: RULE				
2. Future Effective Date of Allowable Emissions: 13-Nov-2000				
3. Requested Allowable Emissions and Units: 200.00 ppmvd @7% O2				
4. Equivalent Allowable Emissions :				
61.10 lb/hour 267.70 tons/year				
5. Method of Compliance :				
40 CFR Part 60, Appendix A, Method 10.				
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):				
PSD-FL-006A for CO. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.				

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

Emissions Unit Information S Boiler Unit Number 2	Section	4			
Pollutant Information Section Allowable Emissions	<u>2</u>	-			
1. Basis for Allowable Emission	ons Code :	RUL	Æ		-
2. Future Effective Date of Al.	lowable Em	issions: 13-l	Nov-2000		
3. Requested Allowable Emiss	sions and Ur	nits: 490	.00	ug/M3 @7% O2	
4. Equivalent Allowable Emis	sions:				
	0.13	lb/hour	0.56	tons/year	
5. Method of Compliance:		_			
EPA Method 29(40CFR60,Su	ıbpart Ea guid	delines for metals)			
6. Pollutant Allowable Emissi	ons Comme	nt (Desc. of Rela	ted Operating I	Method/Mode):	
PSD-FL-006A for Pb. Item 4	is based on r	normal operating co	onditions and m	aximum may vary.	

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	nissions Unit Information Section 4_ iler Unit Number 2
Po	Ilutant Information Section 3
<u>Al</u>	lowable Emissions 1
1.	Basis for Allowable Emissions Code: RULE
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000
3.	Requested Allowable Emissions and Units: 250.00 ppmvd @7% O2
4.	Equivalent Allowable Emissions :
	125.20 lb/hour 548.40 tons/year
5.	Method of Compliance :
	40CFR60 Appendix A, Method 7E and Method 19
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):
	PSD-FL-006A for NOx. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.

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Emissions Unit Information Section Boiler Unit Number 2	<u> </u>	
Pollutant Information Section 4 Allowable Emissions		
1. Basis for Allowable Emissions Code :	RULE	
2. Future Effective Date of Allowable Emission	ns: 13-Nov-2000	
3. Requested Allowable Emissions and Units:	0.01	grain/dscf@7%O2
4. Equivalent Allowable Emissions :		
7.20	1b/hour 31.5	0 tons/year
5. Method of Compliance :		
EPA Method 5		
6. Pollutant Allowable Emissions Comment (De PSD-FL-006A for PM. Item 4 is based on norm	-	

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Emissions Unit Information Section Boiler Unit Number 2					
Po	Pollutant Information Section5_				
Al	lowable Emissions 1				
1.	Basis for Allowable Emissions Code:	RULI	Ε		
2.	Future Effective Date of Allowable Emissi	ions: 13-N	Tov-2000		
3.	Requested Allowable Emissions and Units	5: 0.01		gr/dscf @ 7% O2	
4.	Equivalent Allowable Emissions:				
	7.20	lb/hour	31.50	tons/year	
5.	Method of Compliance :				
	EPA method 201 or 201A				
6.	Pollutant Allowable Emissions Comment ((Desc. of Relate	ed Operating	Method/Mode):	
	PSD-FL-006A for PM10. However, if complenot required. Item 4 is based on normal operating condition			tions are met, these tests are	

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	hissions Unit Information Section 4
Po	lutant Information Section6
<u>Al</u>	owable Emissions
1.	Basis for Allowable Emissions Code : RULE
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000
3.	Requested Allowable Emissions and Units: 29.00 ppmvd @ 7% O2
4.	Equivalent Allowable Emissions:
	47.20 lb/hour 206.70 tons/year
5.	Method of Compliance:
	EPA Method 6C and Method 19
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):
	PSD-FL-006A for SO2 29 ppmvd @7%O2 or 75% removal efficiency whichever is least restrictive based on 24-hr daily geometric mean. Item 4 is based on normal operating conditions and maximum may vary.

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Emissions Unit Information Section Boiler Unit Number 2				
Pol	ollutant Information Section7			
Alle	llowable Emissions 1			
1.	. Basis for Allowable Emissions Code : RULE			
2.	. Future Effective Date of Allowable Emissions : 13-Nov-2000			
3.	. Requested Allowable Emissions and Units: 25.00 ppmvd 7% O	2		
4.	. Equivalent Allowable Emissions :			
	4.37 lb/hour 19.10 tons/	year		
5.	. Method of Compliance :			
	EPA Methods 25 or 25A			
6.	. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Moo	le) :		
	PSD-FL-006A for VOC. Item 4 is based on normal operating conditions and maximum m	ay vary.		

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Emissions Unit Information Section Boiler Unit Number 2					
Pollutant Information Section 8					
Allowable Emissions 1					
1. Basis for Allowable Emissions Code	: RULI	Е			
2. Future Effective Date of Allowable E	missions: 13-N	Jov-2000			
3. Requested Allowable Emissions and	Units: 30.00) ng	y/m3 @7% O2		
4. Equivalent Allowable Emissions:		-			
0.00	lb/hour	0.00	tons/year		
5. Method of Compliance :					
EPA Method 23					
6. Pollutant Allowable Emissions Comm PSD-FL-006A for Dioxin/Furans 30ng/n 3.5E-5 tons/yr are based on normal opera	m3 (dry basis). Item 4	, 2.64E-8 lb/mm	Btu, 0.8E-5 lb/hr, &		

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Emissions Unit Information Section Boiler Unit Number 2				
Po	lutant Information Section 9			
<u>Al</u>	owable Emissions 1			
1.	Basis for Allowable Emissions Code: RULE			
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000			
3.	Requested Allowable Emissions and Units: 29.00 ppmvd @7% O2			
4.	Equivalent Allowable Emissions :			
	35.10 lb/hour 153.70 tons/year			
5.	Method of Compliance :			
	EPA Method 26 or 26A			
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):			
	PSD-FL-006A for HCL Emissions shall not exceed 29 ppmvd corrected to 7 % O2, or 95% removal, whichever is least restirctive. Item 4 is based on normal operating conditions and maximum may vary.			

Emissions Unit Information Section Boiler Unit Number 2 4 Boiler Unit Number 2				
Pollutant Information Section10				
Allowable Emissions 1				
Basis for Allowable Emissions Code : RULE				
2. Future Effective Date of Allowable Emissions: 13-Nov-2000				
3. Requested Allowable Emissions and Units: 70.00 ug/dscm @7% O2				
4. Equivalent Allowable Emissions :				
0.02 lb/hour 0.08 tons/year				
5. Method of Compliance :				
Method 29				
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): PSD-FL-006A limit of 70ug/dscm or 20 percent by weight of the mercury in the flue gas upstream of the mercury control device (80 percent reduction by weight). Item 4 maximum may vary.				

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Emissions Unit Information Section Boiler Unit Number 2		
Pollutant Information Section11	·	•
Allowable Emissions 1		
1. Basis for Allowable Emissions Code:	RULE	
2. Future Effective Date of Allowable Emissions	: 13-Nov-2000	
3. Requested Allowable Emissions and Units:	40.00	ug/m3 @7% O2
4. Equivalent Allowable Emissions:		
0.02 lb	/hour 0.07	tons/year
5. Method of Compliance :		
Method 29		
6. Pollutant Allowable Emissions Comment (Des	c. of Related Operati	ng Method/Mode):
PSD-FL-006A for Cadmium. Item 4 is based on n	ormal operating condit	ions and maximum may vary.

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Emissions Unit Information Section 5 Boiler Unit Number 3				
Po	Ilutant Information Section 1			
<u>All</u>	lowable Emissions 1			
1.	Basis for Allowable Emissions Code : RULE			
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000			
3	Requested Allowable Emissions and Units: 200.00 ppmvd @7% O2			
]3.	requested 7 flowable Ellissions and Ollits. 200.00 ppinvd @ 7 /0 O2			
4.	Equivalent Allowable Emissions :			
	61.10 lb/hour 267.70 tons/year			
5.	Method of Compliance:			
	40 CFR Part 60, Appendix A, Method 10.			
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):			
	PSD-FL-006A for CO. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.			

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Emissions Unit Information Section Boiler Unit Number 3 5					
Po	llutant Information Section2				
Al	lowable Emissions 1				
1.	Basis for Allowable Emissions Code : RULE				
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000				
3.	Requested Allowable Emissions and Units: 490.00 ug/M3 @7% O2				
4.	Equivalent Allowable Emissions :				
	0.13 lb/hour 0.56 tons/year				
5.	Method of Compliance :				
	EPA Method 29(40CFR60,Subpart Ea guidelines for metals)				
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):				
	PSD-FL-006A for Pb. Item 4 is based on normal operating conditions and maximum may vary.				

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Emissions Unit Information Section 5				
Pollutant Information Section 3				
Allowable Emissions 1				
1. Basis for Allowable Emissions Code : RULE				
2. Future Effective Date of Allowable Emissions: 13-Nov-2000				
3. Requested Allowable Emissions and Units: 250.00 ppmvd @7% O2				
4. Equivalent Allowable Emissions :				
125.20 lb/hour 548.40 tons/year				
5. Method of Compliance :				
40CFR60 Appendix A, Method 7E and Method 19				
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):				
PSD-FL-006A for NOx. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.				

Emissions Unit Information Section 5 Boiler Unit Number 3				
Pollutant Information Section 4				
<u>All</u>	lowable Emissions 1			
1.	Basis for Allowable Emissions Code:	R	ULE	
2.	Future Effective Date of Allowable Emiss	sions: 1	3-Nov-2000	
3.	Requested Allowable Emissions and Unit	s: 0	.01	grain/dscf@7%O2
4.	Equivalent Allowable Emissions :			
	7.20	lb/hour	31.50	tons/year
5.	Method of Compliance :			
	EPA Method 5			·
6.	Pollutant Allowable Emissions Comment	(Desc. of Re	lated Operating	Method/Mode):
	PSD-FL-006A for PM. Item 4 is based on no	ormal operatin	g conditions and	maximum may vary.

Emissions Unit Information Section 5 Boiler Unit Number 3				
Pollutant Information Section5_				
Allowable Emissions 1				
1. Basis for Allowable Emissions Code : RULE				
2. Future Effective Date of Allowable Emissions: 13-Nov-2000				
3. Requested Allowable Emissions and Units: 0.01 gr/dscf @ 7% O2				
4. Equivalent Allowable Emissions :				
7.20 lb/hour 31.50 tons/year				
5. Method of Compliance :				
EPA method 201 or 201A				
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):				
PSD-FL-006A for PM10. However, if compliance with PM emission limitations are met, these tests are not required. Item 4 is based on normal operating conditions and maximum may vary.				

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Emissions Unit Information Section Boiler Unit Number 3 5				
Po	ellutant Information Section6_			
Allowable Emissions 1				
1.	Basis for Allowable Emissions Code : RULE			
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000			
3.	Requested Allowable Emissions and Units: 29.00 ppmvd @ 7% O2			
4.	Equivalent Allowable Emissions:			
	47.20 lb/hour 206.70 tons/year			
5.	Method of Compliance :			
	EPA Method 6C and Method 19			
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):			
	PSD-FL-006A for SO2 29 ppmvd @7%O2 or 75% removal efficiency whichever is least restrictive based on 24-hr daily geometric mean. Item 4 is based on normal operating conditions and maximum may vary.			

Emissions Unit Information Section Boiler Unit Number 3				
Pollutant Information Section 7		·		
Allowable Emissions 1				
1. Basis for Allowable Emissions Code:	RULE			
2. Future Effective Date of Allowable Emissions	: 13-Nov-2	2000		
3. Requested Allowable Emissions and Units :	25.00	ppr	mvd 7% O2	
4. Equivalent Allowable Emissions :			_	
4.37 lb	/hour	19.10	tons/year	
5. Method of Compliance :				
EPA Methods 25 or 25A				
6. Pollutant Allowable Emissions Comment (Des	c. of Related O	perating Me	thod/Mode):	
PSD-FL-006A for VOC. Item 4 is based on norma	al operating cond	litions and ma	aximum may vary.	

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Emissions Unit Information Section Boiler Unit Number 3 5								
Pol	Pollutant Information Section 8							
Alle	owable Emissions 1							
1.	Basis for Allowable Emissions Code :	1	RULE					
2.	Future Effective Date of Allowable Emission	ons :	13-Nov-2000	_				
3.	Requested Allowable Emissions and Units	:	30.00	ng/m3 @	7% O2			
4.	Equivalent Allowable Emissions :				<u> </u>			
	0.00	lb/hour	0.00	to	ons/year			
5.	Method of Compliance:	_						
	EPA Method 23							
6.	Pollutant Allowable Emissions Comment (PSD-FL-006A for Dioxin/Furans 30ng/m3 (dry 3.5E-5 tons/yr are based on normal operating of	y basis). It	em 4, 2.64E-8 lb/	mmBtu, 0.8				

Emissions Unit Information Section Boiler Unit Number 3 5								
Po	Pollutant Information Section 9							
Allowable Emissions 1								
1.	Basis for Allowable Emission	s Code :	RULE					
2.	Future Effective Date of Allo	wable Emissic	ons: 13-Nov	·-2000				
	D	177.4			L 0.77 0.2			
3.	Requested Allowable Emissic	ons and Units :	29.00	ppn	nvd @7% O2			
4.	Equivalent Allowable Emission	ons:						
		35.10	lb/hour	153.70	tons/year			
5.	Method of Compliance :		=					
	EPA Method 26 or 26A							
6.	Pollutant Allowable Emission	s Comment (I	Desc. of Related	Operating Met	thod/Mode):			
	PSD-FL-006A for HCL Emissions shall not exceed 29 p restirctive. Item 4 is based on n	•						

	Emissions Unit Information Section Boiler Unit Number 3 5							
Po	Pollutant Information Section10							
Al	Allowable Emissions 1							
1.	Basis for Allowable Emissions Code : RULE							
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000							
3.	Requested Allowable Emissions and Units: 70.00 ug/dscm @7% O2							
4.	Equivalent Allowable Emissions :							
	0.02 lb/hour 0.08 tons/year							
5.	Method of Compliance :							
	Method 29							
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): PSD-FL-006A limit of 70ug/dscm or 20 percent by weight of the mercury in the flue gas upstream of the mercury control device (80 percent reduction by weight). Item 4 maximum may vary.							

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Emissions Unit Information Section Boiler Unit Number 3								
Pollutant Information Section11								
Allowable Emissions 1								
1. Basis for Allowable Emissions Code:	RULE							
2. Future Effective Date of Allowable Emission	ns: 13-Nov-2000							
3. Requested Allowable Emissions and Units:	40.00	ug/m3 @7% O2						
4. Equivalent Allowable Emissions:								
0.02	lb/hour 0.	07 tons/year						
5. Method of Compliance :								
Method 29								
6. Pollutant Allowable Emissions Comment (D	-							

Emissions Unit Information Section Boiler Unit Number 4							
Po	lutant Information Section						
<u>Al</u>	Allowable Emissions 1						
1.	Basis for Allowable Emissions Code : RULE						
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000						
3.	Requested Allowable Emissions and Units: 200.00 ppmvd @7% O2						
4.	Equivalent Allowable Emissions :						
	61.10 lb/hour 267.70 tons/year						
5.	Method of Compliance :						
	40 CFR Part 60, Appendix A, Method 10.						
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):						
	PSD-FL-006A for CO. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.						

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Emissions Unit Information Section6 Boiler Unit Number 4									
Po	Pollutant Information Section 2								
<u>Al</u>	Allowable Emissions 1								
1.	Basis for Allowable Emissions Code : RULE								
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000								
3.	Requested Allowable Emissions and Units: 490.00 ug/M3 @7% O2								
4.	Equivalent Allowable Emissions :								
	0.13 lb/hour 0.56 tons/year								
5.	Method of Compliance :								
	EPA Method 29(40CFR60,Subpart Ea guidelines for metals)								
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):								
	PSD-FL-006A for Pb. Item 4 is based on normal operating conditions and maximum may vary.								

Emissions Unit Information Section Boiler Unit Number 4							
Po	Pollutant Information Section 3						
<u>Al</u>	lowable Emissions 1						
1.	Basis for Allowable Emissions Code : RULE						
2.	Future Effective Date of Allowable Emissions: 13-Nov-2000						
3.	Requested Allowable Emissions and Units: 250.00 ppmvd @7% O2						
4.	Equivalent Allowable Emissions :						
	125.20 lb/hour 548.40 tons/year						
5.	Method of Compliance :						
	40CFR60 Appendix A, Method 7E and Method 19						
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):						
	PSD-FL-006A for NOx. Item 4 is based on normal operating conditions and maximum may vary. Combustion Controls shall be installed for CO & NOx as necessary to meet the emission limits of PSD-FL-006A.						

	Emissions Unit Information Section6 Boiler Unit Number 4								
Po	Pollutant Information Section 4								
<u>Al</u>	Allowable Emissions 1								
1.	1. Basis for Allowable Emissions Code:	RULE							
2.	2. Future Effective Date of Allowable Emissions	: 13-Nov-2	000						
3.	3. Requested Allowable Emissions and Units:	0.01	grai	n/dscf@7%O2					
4.	4. Equivalent Allowable Emissions:								
	7.20 lb	/hour	31.50	tons/year					
5.	5. Method of Compliance :								
	EPA Method 5								
6.	6. Pollutant Allowable Emissions Comment (Des		-						

Emissions Unit Information Section Boiler Unit Number 4							
Pollutant Information Section5							
Allowable Em	Allowable Emissions 1						
1. Basis for A	Allowable Emiss	ions Code:		RULE			
2. Future Effe	ective Date of A	llowable Emiss	ions:	13-Nov-2	2000		
3. Requested	Allowable Emis	sions and Units	s :	0.01		gr/dscf @ 7% O2	
4. Equivalent	Allowable Emis	ssions :	<u>. </u>				
		7.20	lb/hou	• ·	31.50	tons/year	
5. Method of	Compliance:						
EPA metho	od 201 or 201A						
6. Pollutant A	Allowable Emiss	ions Comment	(Desc. of	Related C	perating	Method/Mode):	
not required						tions are met, these tes	ts are

Emissions Unit Information Section Boiler Unit Number 4						
Pollutant Information Section6_						
Allowable Emissions 1						
1. Basis for Allowable Emissions Code : RULE						
2. Future Effective Date of Allowable Emissions: 13-Nov-2000						
3. Requested Allowable Emissions and Units: 29.00 ppmvd @ 7% O2						
4. Equivalent Allowable Emissions :						
47.20 lb/hour 206.70 tons/year						
5. Method of Compliance :						
EPA Method 6C and Method 19						
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):						
PSD-FL-006A for SO2 29 ppmvd @7%O2 or 75% removal efficiency whichever is least restrictive based on 24-hr daily geometric mean. Item 4 is based on normal operating conditions and maximum may vary.						

Emissions Unit Information Section Boiler Unit Number 4								
Po	Pollutant Information Section7							
All	llowable Emissions 1							
1.	. Basis for Allowable Emissions Code :	RULE						
2.	. Future Effective Date of Allowable Emissions	: 13-Nov-2000						
3.	. Requested Allowable Emissions and Units :	25.00	ppmvd 7% O2					
4.	. Equivalent Allowable Emissions :							
	4.37	b/hour 19.10	tons/year					
5.	. Method of Compliance :							
	EPA Methods 25 or 25A							
6.	. Pollutant Allowable Emissions Comment (Des	sc. of Related Operatir	g Method/Mode):					
	PSD-FL-006A for VOC. Item 4 is based on norm	al operating conditions a	and maximum may vary.					

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Emissions Unit Information Section Boiler Unit Number 4							
Pollutant Information Section 8							
Allowable Emissions 1							
1. Basis for Allowable Emissions Code:	RULE						
	,						
2. Future Effective Date of Allowable Emission	as: 13-Nov-200	0					
3. Requested Allowable Emissions and Units:	30.00	ng/m3	@7% O2				
4. Equivalent Allowable Emissions :		<u></u>					
0.00	lb/hour (00.0	tons/year				
5. Method of Compliance:		_					
EPA Method 23							
6. Pollutant Allowable Emissions Comment (De	esc. of Related Ope	rating Metho	d/Mode):				
PSD-FL-006A for Dioxin/Furans 30ng/m3 (dry l 3.5E-5 tons/yr are based on normal operating con			0.8E-5 lb/hr, &				

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	Emissions Unit Information Section Boiler Unit Number 4						
Po	ollutant Information Section 9						
<u>Al</u>	llowable Emissions 1						
1.	. Basis for Allowable Emissions Code :	RULE					
2.	. Future Effective Date of Allowable Emission	ns: 13-Nov	v-2000				
3.	. Requested Allowable Emissions and Units :	29.00	ppr	nvd @7% O2			
4.	. Equivalent Allowable Emissions :						
	35.10	lb/hour	153.70	tons/year			
5.	. Method of Compliance :						
	EPA Method 26 or 26A						
6.	. Pollutant Allowable Emissions Comment (D	esc. of Related	Operating Me	thod/Mode):			
	PSD-FL-006A for HCL Emissions shall not exceed 29 ppmvd corrected restirctive. Item 4 is based on normal operating						

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Emissions Unit Information Section Boiler Unit Number 4	6		
Pollutant Information Section	10		
Allowable Emissions 1			
1. Basis for Allowable Emissions Cod	e :	RULE	
2. Future Effective Date of Allowable	Emissions :	13-Nov-2000	
3. Requested Allowable Emissions and	d Units :	70.00	ug/dscm @7% O2
4. Equivalent Allowable Emissions:			
0.02	lb/hou	o.08	tons/year
5. Method of Compliance :			•
Method 29			
6. Pollutant Allowable Emissions Com PSD-FL-006A limit of 70ug/dscm or 2 the mercury control device (80 percent	20 percent by we	ight of the mercury	in the flue gas upstream of

Emissions Unit Information So Boiler Unit Number 4	ection 6	5		
Pollutant Information Section	11			
Allowable Emissions 1				
1. Basis for Allowable Emission	ns Code :	RULE		
2. Future Effective Date of Allo	owable Emissic	ons: 13-Nov-	2000	
3. Requested Allowable Emissi	ions and Units	40.00	ug	/m3 @7% O2
4. Equivalent Allowable Emiss	ions:			
	0.02	lb/hour	0.07	tons/year
5. Method of Compliance:				
Method 29				
6. Pollutant Allowable Emissio	ns Comment (I	Desc. of Related	Operating Mo	ethod/Mode):
PSD-FL-006A for Cadmium.	Item 4 is based o	n normal operating	conditions a	nd maximum mav varv.

	Emissions Unit Information Section Boiler Unit Number 1					
Po	llutant Information Section5_					
Al	lowable Emissions					
1.	Basis for Allowable Emissions Code:	RU	JLE			
2	Future Effective Date of Allowable Emissi	ione: 1	3-Nov-2000			
2.	Tuture Effective Date of Allowable Effissi	ions. 1.	3-1 10 V-2000			
3.	Requested Allowable Emissions and Units	0.	01	gr/dscf @ 7% O2		
4.	Equivalent Allowable Emissions :			<u> </u>		
	7.20	lb/hour	31.50	tons/year		
5.	Method of Compliance :			<u>-</u>		
	EPA method 201 or 201A					
6.	Pollutant Allowable Emissions Comment	(Desc. of Re	lated Operating	Method/Mode):		
	PSD-FL-006A for PM10. However, if complenot required. Item 4 is based on normal operating condition			ations are met, these tests are		

Emissions Unit Information Section Boiler Unit Number 1						
Poll	utant Information Section6_					
Allo	wable Emissions 1					
1.]	Basis for Allowable Emissions Code: RULE					
2.]	Future Effective Date of Allowable Emissions: 13-Nov-2000					
3.]	Requested Allowable Emissions and Units: 29.00 ppmvd @ 7% O2					
4.]	Equivalent Allowable Emissions :	_				
	47.20 lb/hour 206.70 tons/year					
5.]	Method of Compliance :					
	EPA Method 6C and Method 19					
6.]	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):	_				
	PSD-FL-006A for SO2 29 ppmvd @7%O2 or 75% removal efficiency whichever is least restrictive based on 24-hr daily geometric mean. Item 4 is based on normal operating conditions and maximum may vary.					

	Emissions Unit Information Section 1 Boiler Unit Number 1						
Po	llutant Information Section 7	-					
<u>Al</u>	lowable Emissions 1						
1.	Basis for Allowable Emissions Code :		RULE				
2.	Future Effective Date of Allowable Emi	issions :	13-Nov-	2000			
3.	Requested Allowable Emissions and Un	nits:	25.00	pp	mvd 7% O2		
4.	Equivalent Allowable Emissions :						
	4.37	lb/hour		19.10	tons/year		
5.	Method of Compliance :						
	EPA Methods 25 or 25A						
6.	Pollutant Allowable Emissions Commer	nt (Desc. of	Related C	Operating Me	ethod/Mode):		
	PSD-FL-006A for VOC. Item 4 is based or	n normal ope	rating con	ditions and m	aximum may vary.		

	Emissions Unit Information Section 1 Boiler Unit Number 1					
Pol	llutant Information Section 8	·				
All	owable Emissions 1					
1.	Basis for Allowable Emissions Code:	R	ULE			
2.	Future Effective Date of Allowable Emi	ssions: I	13-Nov-2000			
3.	Requested Allowable Emissions and Un	its: 3	30.00	ng/m3 @7% O2		
4.	Equivalent Allowable Emissions:					
	0.00	lb/hour	0.00	tons/year		
5.	Method of Compliance:					
	EPA Method 23					
6.	Pollutant Allowable Emissions Commer	nt (Desc. of Re	elated Operating	Method/Mode):		
	PSD-FL-006A for Dioxin/Furans 30ng/m3 3.5E-5 tons/yr are based on normal operation					

	Emissions Unit Information Section1 Boiler Unit Number 1						
Po	llutant Information Section 9						
All	lowable Emissions 1						
1.	Basis for Allowable Emissions Code:	RU	JLE		_		
2.	Future Effective Date of Allowable Emission	ons: 13	3-Nov-2000				
3.	Requested Allowable Emissions and Units	: 29	0.00	ppmvd (@7% O2		
4.	Equivalent Allowable Emissions:						
	35.10	lb/hour	153.	70 t	ons/year		
5.	Method of Compliance :	· · ·					
	EPA Method 26 or 26A						
6.	Pollutant Allowable Emissions Comment (Desc. of Re	ated Operation	ng Method	/Mode):		
	PSD-FL-006A for HCL Emissions shall not exceed 29 ppmvd corrected restirctive. Item 4 is based on normal operating				ver is least		

	Emissions Unit Information Section Boiler Unit Number 1							
Po	Ilutant Information Section10							
Al	lowable Emissions 1							
1.	Basis for Allowable Emissions Code:	R	ULE					
2.	Future Effective Date of Allowable Emissi	ons: 1	13-Nov-2000					
3.	Requested Allowable Emissions and Units	: 7	70.00	ug/dscm @7% O2				
4.	Equivalent Allowable Emissions:							
	0.02	lb/hour	0.08	tons/year				
5.	Method of Compliance :			-				
	Method 29							
6.	Pollutant Allowable Emissions Comment (Desc. of Re	elated Operating	Method/Mode):				
	PSD-FL-006A limit of 70ug/dscm or 20 percethe mercury control device (80 percent reduction	• •	_	~ .	of			

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Emissions Unit Information Section Boiler Unit Number 1	_		
Pollutant Information Section 11	·		
Allowable Emissions 1			
1. Basis for Allowable Emissions Code:	RULE		
2. Future Effective Date of Allowable Emission	ns: 13-Nov-20	000	
3. Requested Allowable Emissions and Units:	40.00	uş	g/m3 @7% O2
4. Equivalent Allowable Emissions:			
0.02	lb/hour	0.07	tons/year
5. Method of Compliance :			
Method 29			
6. Pollutant Allowable Emissions Comment (D PSD-FL-006A for Cadmium. Item 4 is based on	·		- [*]

Emissions Unit Information Section 2 Refuse Derived Fuel Processing and Biomass Production					
Pollutant Information Section1					
Allowable Emissions 1					
1. Basis for Allowable Emissions Code : RULE					
2. Future Effective Date of Allowable Emissions: 13-Nov-2000					
3. Requested Allowable Emissions and Units: 0.01 gr/dscf					
4. Equivalent Allowable Emissions:					
14.23 lb/hour 62.32 tons/year					
5. Method of Compliance :					
EPA Method 9 or 5					
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):					
Per PSD-FL-006A, emissions shall not exceed particulate matter limit of 0.01 grains/dscf or visible emissions of 5% opacity. Item 4 based on normal operating conditions and maximum may vary.					

	Emissions Unit Information Section 2 Refuse Derived Fuel Processing and Biomass Production					
	nt Information Section	on 2 1				
1. Bas	is for Allowable Emis	sions Code :	RULE			
2. Futi	ure Effective Date of A	Allowable Emi	ssions : 13-No	v-2000		
3. Reg	uested Allowable Emi	ssions and Un	its: 0.01	gr/	dscf	
4. Equ	ivalent Allowable Em	issions :				
		14.23	lb/hour	62.32	tons/year	
5. Met	hod of Compliance:		_			
EPA	A Method 9 or 5					
6. Poll	utant Allowable Emis	sions Commen	at (Desc. of Related	d Operating Me	ethod/Mode):	
	PSD-FL-006A, emissions of 5% opacity. It		•			

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

Boiler Unit Number 1			
<u>Visible Emissions Limitation</u> : Visible Emissions Lin	mitation	1	
1. Visible Emissions Subtype: VE			
2. Basis for Allowable Opacity: RULE			
3. Requested Allowable Opacity:			
Normal Conditions:	10	%	
Exceptional Conditions:	60	%	
Maximum Period of Excess Opacity Allowed:	6	min/hour	
4. Method of Compliance :		-	_
Continuous Opacity Analyzer			
5. Visible Emissions Comment:			_
Visible Emissions Monitoring required by Permit No. Proof excess emissions during start-up, shut down or malfur condition and max. period of excess would be 100% or excess would be 100%.	nction duri	ng any 24-hour period. Excep	

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

Emissions Unit Information Section 2 Refuse Derived Fuel Processing and Biomass Pro	oduction				
Visible Emissions Limitation: Visible Emission	ons Limitatio	on <u>1</u>			
1. Visible Emissions Subtype: VE					
2. Basis for Allowable Opacity: RULE					
3. Requested Allowable Opacity:			_		
Normal Conditio	ns: 5	%			
Exceptional Condition	ns: 60	%			
Maximum Period of Excess Opacity Allowed: 6 min/hour					
4. Method of Compliance:					
EPA Method 9					
5. Visible Emissions Comment:					
Visible Emissions Monitoring required by Permit excess emissions during start-up, shut down, or m Condition and max. period of excess would be 10 for biomass baghouse is 5%, other baghouses are	nalfunction du 10% on 60 mii	aring any 24-hour period.	. Exceptional		

III. Part 10 - 2

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

Ash Handling				
<u>Visible Emissions Limitation</u> : Visible Em	issions Lin	nitation	1	
1. Visible Emissions Subtype: VE				
2. Basis for Allowable Opacity: RUL	E			
3. Requested Allowable Opacity:				
Normal Cond	litions:	5	%	
Exceptional Cond	litions:	60	%	
Maximum Period of Excess Opacity All	owed:	6	min/hour	
4. Method of Compliance:	-			
EPA Method 9				
5. Visible Emissions Comment :				
Visible Emissions Monitoring required by Peexcess emissions during start-up, shut down, Conditi				

III. Part 10 - 3

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

Boiler Unit Number 2	4			
Visible Emissions Limitation : Visib	le Emissions Li	mitation		
1. Visible Emissions Subtype:	VE			
2. Basis for Allowable Opacity:	RULE			
3. Requested Allowable Opacity:				
Norma	l Conditions:	10	%	
Exceptiona	l Conditions:	60	%	
Maximum Period of Excess Opaci		6	min/hour	
4. Method of Compliance:				
_				
Continuous Opacity Analyzer		•		
5. Visible Emissions Comment :				
Visible Emissions Monitoring required of excess emissions during start-up, sh condition and max. period of excess w	ut down or malfu	nction durir	ng any 24-hour period	

III. Part 10 - 4

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

Emissions Unit Information Section Boiler Unit Number 3 Visible Emissions Limitation: Visible Emissions Li	mitation	1	
1. Visible Emissions Subtype: VE			
2. Basis for Allowable Opacity: RULE			
3. Requested Allowable Opacity:			
Normal Conditions:	10	%	
Exceptional Conditions:	60	%	
Maximum Period of Excess Opacity Allowed:	6	min/hour	
4. Method of Compliance :			
Continuous Opacity Analyzer			
5. Visible Emissions Comment :			
Visible Emissions Monitoring required by Permit No. F of excess emissions during start-up, shut down or malfu condition and max. period of excess would be 100% or	ınction du	iring any 24-hour period. Except	

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

Boiler Unit Number 4		
<u>Visible Emissions Limitation</u> : Visible Emission	ons Limitation 1	
1. Visible Emissions Subtype: VE		
2. Basis for Allowable Opacity: RULE		
3. Requested Allowable Opacity:		
Normal Condition	ns: 10 %	
Exceptional Condition	ns: 60 %	
Maximum Period of Excess Opacity Allowe		
4. Method of Compliance:		
Continuous Opacity Analyzer		
5. Visible Emissions Comment :		
Visible Emissions Monitoring required by Permit of excess emissions during start-up, shut down or condition and max. period of excess would be 10	malfunction during any 24-hour period. Except	

III. Part 10 - 6

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 1 Boiler Unit Number 1				
Continuous Monitoring System Continuous Monitor 1				
1. Parameter Code: EM	2. Pollutant(s): CO SO2			
3. CMS Requirement RULE				
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:				
5. Installation Date :	_			
6. Performance Specification Test Date :				
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSD-FL-006(A). The monitor installation date and test date is not available now because the continuous monitor has not yet been installed.				
Continuous Monitoring System Continuous Mo	nitor 2			
1. Parameter Code: O2	2. Pollutant(s):			

III. Part 11 - 1

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 1 Boiler Unit Number 1					
3. CMS Requirement RULE					
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:					
5. Installation Date :					
6. Performance Specification Test Date :					
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSI test date is not avalaible now because the continuous					
Continuous Monitoring System Continuous Mo	nitor 3				
1. Parameter Code: VF	2. Pollutant(s):				
3. CMS Requirement RULE					
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:					
5. Installation Date :					
6. Performance Specification Test Date:	6. Performance Specification Test Date :				
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSD-FL-006(A). The monitor installation date and test date is not avalaible now because the continuous monitor has not yet been installed.					
Continuous Monitoring System Continuous Monitor 4					
1. Parameter Code: EM 2. Pollutant(s):					
III Part 11 - 2					

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 1					
Boiler Unit Number 1					
3. CMS Requirement RULE					
4. Monitor Information					
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:					
5. Installation Date :					
6. Performance Specification Test Date :					
7. Continuous Monitor Comment:					
Continuous Monitoring required by Permit No. PSD information is not available now because the continu					
Continuous Monitoring System Continuous Mon	nitor 5				
1. Parameter Code: TEMP	2. Pollutant(s):				
3. CMS Requirement RULE					
4. Monitor Information					
Manufacturer: KVB Analect					
Serial Number: Dilution System	Model Number: Dilution System Serial Number:				
5. Installation Date :					
6. Performance Specification Test Date:					
7. Continuous Monitor Comment :	-				
Continuous Monitoring required by Permit PSD-F006(A). The monitor installation date and test date is not available now because the equipment has not yet been installed.					
Continuous Monitoring System Continuous Monitor 6					
1. Parameter Code: FLOW	2. Pollutant(s):				
III. Part 11 - 3					

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 1 Boiler Unit Number 1				
3. CMS Requirement RULE				
4. Monitor Information Manufacturer: KVB Analect				
Model Number: Dilution System Serial Number:				
5. Installation Date :				
6. Performance Specification Test Date:				
7. Continuous Monitor Comment :				
Continuous Monitoring required by Permit PSD-F0 monitor installation date and test date is not availab installed.				
Continuous Monitoring System Continuous Mo	nitor <u>7</u>			
1. Parameter Code: FLOW	2. Pollutant(s):			
3. CMS Requirement RULE				
4. Monitor Information				
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:				
5. Installation Date :				
6. Performance Specification Test Date :				
7. Continuous Monitor Comment :				
Continuous Monitoring required by Permit PSD-F006(A). The slaked lime utilization monitor installation date and test date is not available now because the equipment has not yet been installed.				
<u>Continuous Monitoring System</u> Continuous Monitor 8				
1. Parameter Code: FLOW	2. Pollutant(s):			
III Part 11 - A				

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

(Regulated Emissions Units Only)

Boiler Unit Number 1					
3. CMS Requirement RULE					
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:					
5. Installation Date :					
6. Performance Specification Test Date:					
1	7. Continuous Monitor Comment: Continuous Monitoring required by Permit PSD-F006(A). The power generation (MW) total steam production (lb/hr, pressure and temperature) monitor installation and test date, is not available yet.				
Continuous Monitoring System Continuous Mo	onitor 9				
1. Parameter Code: FLOW	2. Pollutant(s):				
3. CMS Requirement RULE					
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:					
5. Installation Date :					
6. Performance Specification Test Date :					
7. Continuous Monitor Comment: Continuos Monitoring required by Permit PSD-F006(A). The total steam production (lbs/hr, pressure and temperature) monitor information is not available yet.					
Continuous Monitoring System Continuous Monitor 10					
1. Parameter Code: TEMP	2. Pollutant(s):				
III Part 11 5	·				

III. Part II - 💲

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

(Regulated Emissions Units Only)

Emissions	Unit	Information	Section	1

Boiler Unit Number 1

3. CMS Requirement OTHER

4. Monitor Information

Manufacturer: KVB Analect Model Number: Dilution System

Serial Number:

5. Installation Date:

6. Performance Specification Test Date:

7. Continuous Monitor Comment:

Continuous Monitoring reuired by Permit PSD-F006(A). The monitor installation date and test date is not available now because the equipment has not yet been installed.

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

(Regulated Emissions Units Only)

Emissions Unit Information Section <u>4</u>

Boiler Unit Number 2

Continuous Monitoring System Continuous Mo	onitor 1
1. Parameter Code: EM	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	•
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSI test date is not available now because the continuous Continuous Monitoring System Continuous Monitoring System	us monitor has not yet been installed.
	I
1. Parameter Code: O2	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSI test date is not avalaible now because the continuous	

III. Part 11 - 7

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

(Regulated Emissions Units Only)

Boiler Unit Number 2		
Continuous Monitoring System Continuous Mo	onitor <u>3</u>	
1. Parameter Code: VF	2. Pollutant(s):	
3. CMS Requirement RULE		
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :		
6. Performance Specification Test Date:		
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSD-FL-006(A). The monitor installation date and test date is not avalaible now because the continuous monitor has not yet been installed.		
Continuous Monitoring System Continuous Mo	onitor 4	
1. Parameter Code: EM	2. Pollutant(s):	
3. CMS Requirement RULE		
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :		
6. Performance Specification Test Date:		
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSI information is not available now because the continuous	• •	

III. Part 11 - 8

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 4 Boiler Unit Number 2	
Continuous Monitoring System Continuous Monitoring System	tor <u>5</u>
1. Parameter Code: TEMP	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information	
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit PSD-F006 date is not available now because the equipment has a	
Continuous Monitoring System Continuous Monitoring System	itor <u>6</u>
1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	·
6. Performance Specification Test Date :	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit PSD-F000 monitor installation date and test date is not available installed.	

III. Part 11 - 9

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 4		
Boiler Unit Number 2		
Continuous Monitoring System Continuous Mo	nitor <u>7</u>	
1. Parameter Code: FLOW	2. Pollutant(s):	
3. CMS Requirement RULE		
4. Monitor Information		
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :		
6. Performance Specification Test Date:		
7. Continuous Monitor Comment: Continuous Monitoring required by Permit PSD-F0 installation date and test date is not available now be	· ·	
Continuous Monitoring System Continuous Mo	onitor 8	
1. Parameter Code: FLOW	2. Pollutant(s):	
3. CMS Requirement RULE		
4. Monitor Information		
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :		
6. Performance Specification Test Date:		
7. Continuous Monitor Comment: Continuous Monitoring required by Permit PSD-F0 production (lb/hr, pressure and temperature) monitoring required by Permit PSD-F0 production (lb/hr, pressure and temperature)		

III. Part 11 - 10

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

(Regulated Emissions Units Only)

Emissions Unit Information Section <u>4</u>

Boiler Unit Number 2	
Continuous Monitoring System Continuous Mo	onitor 9
1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information	
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment:	
Continuos Monitoring required by Permit PSD-F00 pressure and temperature) monitor information is n	•
Continuous Monitoring System Continuous Mo	onitor 10
1. Parameter Code: TEMP	2. Pollutant(s):
3. CMS Requirement OTHER	
4. Monitor Information	
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
5. Installation Date :6. Performance Specification Test Date :	
6. Performance Specification Test Date :	

III. Part 11 - 11

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 5 Boiler Unit Number 3	
Continuous Monitoring System Continuous Mo	nitor 1
1. Parameter Code: FM	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSI test date is not available now because the continuous	
Continuous Monitoring System Continuous Mo	nitor 2
1. Parameter Code: O2	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment : Continuous Monitoring required by Permit No. PSI test date is not avalaible now because the continuous	

III. Part 11 - 12

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 5 Boiler Unit Number 3				
Continuous Monitoring System Continuous Monitor 3				
1. Parameter Code: VF.	2. Pollutant(s):			
3. CMS Requirement RULE				
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:				
5. Installation Date:				
6. Performance Specification Test Date :				
	7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSD-FL-006(A). The monitor installation date and test date is not avalaible now because the continuous monitor has not yet been installed.			
Continuous Monitoring System Continuous Mon	itor <u>4</u>			
1. Parameter Code: EM	2. Pollutant(s):			
3. CMS Requirement RULE				
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	·			
5. Installation Date :				
6. Performance Specification Test Date :				
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSD-FL-006(A). Installation and test date information is not available now because the continuous monitors have not yet been installed.				

III. Part 11 - 13

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

(Regulated Emissions Units Only)

Emissions Unit Information Section5_	
Boiler Unit Number 3	
Continuous Monitoring System Continuous Mon	nitor <u>5</u>
1. Parameter Code: TEMP	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information	
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment:	-
Continuous Monitoring required by Permit PSD-F00 date is not available now because the equipment has	
Continuous Monitoring System Continuous Mon	nitor <u>6</u>
1. Parameter Code: FLOW	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information	
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment:	
Continuous Monitoring required by Permit PSD-F0006 (A). The mercury reagent usage rate monitor installation date and test date is not available now because the equipment has not yet been installed.	

III. Part 11 - 14

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 5 Boiler Unit Number 3		
Continuous Monitoring System Continuous Monitor 7		
1. Parameter Code: FLOW	2. Pollutant(s):	
3. CMS Requirement RULE		
4. Monitor Information		
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :		
6. Performance Specification Test Date :		
7. Continuous Monitor Comment:		
Continuous Monitoring required by Permit PSD-Fe installation date and test date is not available now	, ,	
Continuous Monitoring System Continuous Mo	onitor 8	
1. Parameter Code: FLOW	2. Pollutant(s):	
3. CMS Requirement RULE		
4. Monitor Information		
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :		
6. Performance Specification Test Date :		
7. Continuous Monitor Comment : Continuous Monitoring required by Permit PSD-Fe	206(A) The power generation (MW) total steam	

III. Part 11 - 15

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

(Regulated Emissions Units Only)

Emissions Unit Information Section <u>5</u>

Boiler Unit Number 3		
<u>Continuous Monitoring System</u> Continuous Monitor 9		
1. Parameter Code: FLOW	2. Pollutant(s):	
3. CMS Requirement RULE		
4. Monitor Information		
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :	· · · · · · · · · · · · · · · · · · ·	
6. Performance Specification Test Date :		
7. Continuous Monitor Comment:		
Continuos Monitoring required by Permit PSD-F006(A). The total steam production (lbs/hr, pressure and temperature) monitor information is not available yet.		
Continuous Monitoring System Continuous Mo	onitor 10	
1. Parameter Code: TEMP	2. Pollutant(s):	
3. CMS Requirement OTHER		
4. Monitor Information		
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:		
5. Installation Date :		
6. Performance Specification Test Date :		
7. Continuous Monitor Comment:		
Continuous Monitoring reuired by Permit PSD-F00 is not available now because the equipment has not	` '	
	06(A). The monitor installation date and test date	
is not available now because the equipment has not	yet been instaned.	

III. Part 11 - 16

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

(Regulated Emissions Units Only)

Emissions Unit Information Section <u>6</u>

Boiler Unit Number 4	
Continuous Monitoring System Continuous Mo	onitor <u>l</u>
1. Parameter Code: EM	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information	
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSI test date is not available now because the continuous	
Continuous Monitoring System Continuous Mo	onitor 2
1. Parameter Code: O2	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information	
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSI test date is not avalaible now because the continuous	·

III. Part 11 - 17

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 6			
Boiler Unit Number 4			
Continuous Monitor Gontinuous Monitor 3			
1. Parameter Code: VE 2. Pollutant(s):			
3. CMS Requirement RULE			
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:			
5. Installation Date :			
6. Performance Specification Test Date :			
7. Continuous Monitor Comment: Continuous Monitoring required by Permit No. PSD-FL-006(A). The monitor installation date and test date is not avalaible now because the continuous monitor has not yet been installed.			
<u>Continuous Monitoring System</u> Continuous Monitor <u>4</u>			
1. Parameter Code: FM 2. Pollutant(s):			
3. CMS Requirement RULE			
4. Monitor Information			
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:			
Serial Number.			
5. Installation Date :			

III. Part 11 - 18

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

(Regulated Emissions Units Only)

Emissions Unit Information Section 6 Boiler Unit Number 4	
Continuous Monitoring System Continuous Mo	nitor <u>5</u>
1. Parameter Code: TEMP	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit PSD-F0 date is not available now because the equipment ha	s not yet been installed.
Continuous Monitoring System Continuous Mo	nitor <u>6</u>
1. Parameter Code: FI.OW	2. Pollutant(s):
3. CMS Requirement RULE	
4. Monitor Information Manufacturer: KVB Analect Model Number: Dilution System Serial Number:	
5. Installation Date :	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment: Continuous Monitoring required by Permit PSD-F0 monitor installation date and test date is not availab installed.	

III. Part 11 - 19

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

(Regulated Emissions Units Only)

III. Part 11 - 20

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

(Regulated Emissions Units Only)

Boiler Unit Number 4					
Continuous Monitoring System Continuous Mo	onitor 9				
1. Parameter Code: FLOW	2. Pollutant(s):				
3. CMS Requirement RULE					
4. Monitor Information					
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:					
5. Installation Date :					
6. Performance Specification Test Date :					
7. Continuous Monitor Comment: Continuos Monitoring required by Permit PSD-F006(A). The total steam production (lbs/hr, pressure and temperature) monitor information is not available yet.					
Continuous Monitoring System Continuous Mo	onitor 10				
1. Parameter Code: TEMP	2. Pollutant(s):				
3. CMS Requirement OTHER					
4. Monitor Information	-				
Manufacturer: KVB Analect Model Number: Dilution System Serial Number:					
5. Installation Date :					
6. Performance Specification Test Date:					
o. Terrormance specification Test Bate.					
7. Continuous Monitor Comment : Continuous Monitoring reuired by Permit PSD-F00	06(A). The monitor installation date and test date				

III. Part 11 - 21

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

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

Emi	ssions Unit Information Section
Boile	er Unit Number I
<u>PSD</u>	Increment Consumption Determination
l. Iı	ncrement Consuming for Particulate Matter or Sulfur Dioxide?
[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.

III. Part 12 - 1

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

2.	In	crement Consum	ning for Nitroge	n Dioxid	le?		
[X	[X] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emission 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.						
[]		•	-	•	begin) initial op	eration after March 28, mes increment.
[[] None of the above apply. If so, 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.	Ir	ncrement Consu	ming/Expanding	g Code:			
		PM:	С	SO2:	С	NO2:	С
4.	В	Baseline Emissio	ns:				
		PM:		lb/hour			tons/year
		SO2:		lb/hour			tons/year
		NO2 :					tons/year
5.	P	SD Comment:					
		SD review was or ssued in Decembe				. A permit amendn	nent PSD-FL006(A) was

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

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

Em	is	sions Unit Information Section 2
Ref	us	e Derived Fuel Processing and Biomass Production
<u>PS</u> l	<u>D</u>	Increment Consumption Determination
1.	In	crement Consuming for Particulate Matter or Sulfur Dioxide?
[]]	The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[X]]	The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
[]]	The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[]]	For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[]]	None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

III. Part 12 - 3

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

2.	In	crement Consum	ning for Nitroge	en Dioxid	de?		
[]		has undergone		_	•	view as part of this dioxide. If so, emissions
[3] 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.						
[]				gan (or will begir ro, and emissions		eration after March 28, mes increment.
[X	[]	such case, addi whether change	itional analysis	, beyond have occ	the scope of this	application	as unit are nonzero. In n, is needed to determine he baseline date that may
3.	Iı	ncrement Consu	ming/Expanding	g Code :	_		
		PM:	U .	SO2:	U	NO2:	U
4.	В	Baseline Emissio	ons:				
		PM : SO2 : NO2 :		lb/hour lb/hour			tons/year tons/year tons/year
5.	E						apleted on February 27, and expires on June 30, 1999.

III. Part 12 - 4

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



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

Em	issions Unit Information Section3
Ash	Handling
<u>PSI</u>	D Increment Consumption Determination
1.	Increment Consuming for Particulate Matter or Sulfur Dioxide?
[]	The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[X]	The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
[]	The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[]	For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[]	None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

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

2.	In	crement Consur	ning for Nitroge	en Dioxid	de?			
[]		has undergone			undergoing PSD rously, for nitroge		
[] 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.							
[]	•	•	•		ill begin) initial c missions unit cons	-	
[X	[]	such case, addi	itional analysis.	, beyond have occ	the scope	ons of the emissic e of this application r will occur) after	on, is need	ed to determine
3.	Ir	ncrement Consu	ming/Expanding	g Code :				
		PM:	U	SO2:	U	NO2	: U	
4.	В	Baseline Emissio	ons:					
		PM : SO2 : NO2 :		lb/hour lb/hour			tons/year tons/year tons/year	r
5.	Е					w was originally co in December 1994	-	•

III. Part 12 - 6

DEP Form No. 62-210.900(1) - Form Effective : 3-21-96

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

Emis	ssions Unit Information Section4_
Boile	r Unit Number 2
<u>PSD</u>	Increment Consumption Determination
1. In	crement Consuming for Particulate Matter or Sulfur Dioxide?
[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.

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

2.	In	icrement Consur	ning for Nitrog	en Dioxid	le?			
[X	[]		has undergone				view as part of this dioxide. If so, emissions	
[]	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.							
[]	_	•	•	•	begin) initial opsions unit consu	eration after March 28, mes increment.	
[]	such case, add whether chang	itional analysis	, beyond have occ	the scope o	f this application	as unit are nonzero. In a, is needed to determine he baseline date that may	
3.	Iı	ncrement Consu	ming/Expandin	g Code :				
		PM:	С	SO2:	С	NO2:	С	
4.	E	Baseline Emissio	ons:					
		PM : SO2 : NO2 :		lb/hour lb/hour			tons/year tons/year	
5.	P	PSD Comment: PSD review was or ssued in December	• •		•	A permit amendn	nent PSD-FL006(A) was	

III. Part 12 - 8

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

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

Emissions Unit Information Section 5
Boiler Unit Number 3
PSD Increment Consumption Determination
1. Increment Consuming for Particulate Matter or Sulfur Dioxide?
[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.

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

2.	In	crement Consur	ning for Nitrog	en Dioxid	le?		
[X	X] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.						
[] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.						
[] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.						
[]					l begin) initial op ssions unit consu	peration after March 28, mes increment.
[[] None of the above apply. If so, 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.	It	ncrement Consu	ming/Expandin	g Code :			
		PM:	C	SO2:	C	NO2:	C
4.	4. Baseline Emissions :						
		PM:		lb/hour			tons/year
		SO2:		lb/hour			tons/year
		NO2:					tons/year
5.	P	SD Comment:					
	PSD review was originally completed February 27, 1978. A permit amendment PSD-FL006(A) was issued in December 1994 and expires on June 30, 1999.						

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

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

Em	is	sions Unit Information Section6_			
Boi	Boiler Unit Number 4				
<u>PSI</u>	<u>D</u>	Increment Consumption Determination			
1.	In	crement Consuming for Particulate Matter or Sulfur Dioxide?			
[X]	1	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.			

III. Part 12 - 11

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

2.	ln	crement Consur	ning for Nitroge	en Dioxid	le?		
[X	[]		has undergone				view as part of this dioxide. If so, emissions
[] 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.						
[]	•	•	_	gan (or will begi o, and emissions	_	eration after March 28, mes increment.
[[] None of the above apply. If so, 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.	Iı	ncrement Consu	ming/Expanding	g Code:			
		PM:	С	SO2:	С	NO2:	С
4.	В	Baseline Emissio	ns:				
		PM:		lb/hour			tons/year
		SO2:		lb/hour			tons/year
		NO2 :					tons/year
5.	P	SD Comment:					
	PSD review was originally completed February 27, 1978. A permit amendment PSD-FL006(A) was issued in December 1994 and expires on June 30, 1999.						

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

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Boiler Unit Number 1	
Supplemental Requirements for All Applications	
1. Process Flow Diagram:	Exhibit 3
2. Fuel Analysis or Specification :	Exhibit 16
3. Detailed Description of Control Equipment :	Exhibit 17A
4. Description of Stack Sampling Facilities :	Exhibit 18
5. Compliance Test Report :	Exhibit 19(N/A)
6. Procedures for Startup and Shutdown:	Exhibit 20
7. Operation and Maintenance Plan :	Exhibit 21
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA
Additional Supplemental Requirements for Category I Application	ns Only
10. Alternative Methods of Operations :	NA
11. Alterntive Modes of Operation (Emissions Trading):	NA

III. Part 13 - 1

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

Emissions Unit Information Section

12. Identification of Additional Applicable Requirements: Exhibit 11					
13. Compliance Assurance Monitoring NA Plan:					
14. Acid Rain Application (Hard-copy Required):					
NA Acid Rain Part - Phase II (For		No. 62-210.900(1)(a))			
NA	Repowering Extension Plan (Fo.	rm No. 62-210.900(1)(a)1.)			
NA New Unit Exemption (Form No. 62-210.900(1)(a)2.)					
NA Retired Unit Exemption (Form		No. 62-210.900(1)(a)3.)			

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 2

Refuse Derived Fuel Processing and Biomass Production	
Supplemental Requirements for All Applications	
1. Process Flow Diagram:	Exhibit 3
2. Fuel Analysis or Specification:	NA
3. Detailed Description of Control Equipment :	Exhibit 17B
4. Description of Stack Sampling Facilities :	NA
5. Compliance Test Report :	Exhibit 19(N/A)
6. Procedures for Startup and Shutdown:	Exhibit 20
7. Operation and Maintenance Plan :	Exhibit 21
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA
Additional Supplemental Requirements for Category I Application	ns Only
10. Alternative Methods of Operations :	NA
11. Alterntive Modes of Operation (Emissions Trading):	NA

III. Part 13 - 3

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

12. Identification of	Additional Applicable Requirements:	Exhibit 11			
13. Compliance Ass Plan:	surance Monitoring	NA			
14. Acid Rain Application (Hard-copy Required):					
NA	Acid Rain Part - Phase II (Form	n No. 62-210.900(1)(a))			
NA	Repowering Extension Plan (Fo	orm No. 62-210.900(1)(a)1.)			
NA New Unit Exemption (Form N NA Retired Unit Exemption (Form		No. 62-210.900(1)(a)2.)			
		No. 62-210.900(1)(a)3.)			

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

___3

Ash Handling				
Supplemental Requirements for All Applications				
1. Process Flow Diagram:	Exhibit 3			
2. Fuel Analysis or Specification :	NA			
3. Detailed Description of Control Equipment :	Exhibit 17C			
4. Description of Stack Sampling Facilities :	NA			
5. Compliance Test Report :	Exhibit 19(N/A)			
6. Procedures for Startup and Shutdown:	Exhibit 20			
7. Operation and Maintenance Plan:	Exhibit 21			
8. Supplemental Information for Construction Permit Application :	NA .			
9. Other Information Required by Rule or Statue :	NA			
Additional Supplemental Requirements for Category I Application	as Only			
10. Alternative Methods of Operations:	NA			
11. Alterntive Modes of Operation (Emissions Trading):	NA			

III. Part 13 - 5

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

Emissions Unit Information Section

12. Identification of Additional	Applicable Requirements:	Exhibit 11			
13. Compliance Assurance Monitoring NA Plan:					
14. Acid Rain Application (Hard-copy Required):					
NA	NA Acid Rain Part - Phase II (Form				
NA	NA Repowering Extension Plan (Fo				
NA New Unit Exemption (Form No. 62-210.900(1)		. 62-210.900(1)(a)2.)			
NA Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)					

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 4

Boiler Unit Number 2	
Supplemental Requirements for All Applications	
1. Process Flow Diagram:	Exhibit 3
2. Fuel Analysis or Specification:	Exhibit 16
3. Detailed Description of Control Equipment:	Exhibit 17A
4. Description of Stack Sampling Facilities :	Exhibit 18
5. Compliance Test Report :	Exhibit 19(N/A)
6. Procedures for Startup and Shutdown:	Exhibit 20
7. Operation and Maintenance Plan :	Exhibit 21
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA
Additional Supplemental Requirements for Category I Application	as Only
10. Alternative Methods of Operations:	NA
11. Alterntive Modes of Operation (Emissions Trading):	NA

III. Part 13 - 7

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

12. Identification of A	Additional Applicable Requirements:	Exhibit 11			
13. Compliance Assurance Monitoring NA Plan:					
14. Acid Rain Application (Hard-copy Required):					
NA Acid Rain Part - Phase II (Form		n No. 62-210.900(1)(a))			
NA Repowering Extension Plan (Fo		orm No. 62-210.900(1)(a)1.)			
NA	o. 62-210.900(1)(a)2.)				
NA Retired Unit Exemption (Form N		No. 62-210.900(1)(a)3.)			

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 5					
Boiler Unit Number 3					
Supplemental Requirements for All Applications					
1. Process Flow Diagram:	Exhibit 3				
2. Fuel Analysis or Specification :	Exhibit 16				
3. Detailed Description of Control Equipment :	Exhibit 17A				
4. Description of Stack Sampling Facilities :	Exhibit 18				
5. Compliance Test Report :	Exhibit 19(N/A)				
6. Procedures for Startup and Shutdown:	Exhibit 20				
7. Operation and Maintenance Plan:	Exhibit 21				
8. Supplemental Information for Construction Permit Application :	NA				
9. Other Information Required by Rule or Statue:	NA				
Additional Supplemental Requirements for Category I Applications Only					
10. Alternative Methods of Operations:	NA				
11. Alterntive Modes of Operation (Emissions Trading):	NA				

III. Part 13 - 9

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

12. Identification of Additional Applicable Requirements :		Exhibit 11
13. Compliance Assurance Monitoring Plan:		NA
14. Acid Rain Applica	ation (Hard-copy Required):	
NA	Acid Rain Part - Phase II (Form	No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Fo	orm No. 62-210.900(1)(a)1.)
NA	New Unit Exemption (Form No	6. 62-210.900(1)(a)2.)
NA	Retired Unit Exemption (Form)	No. 62-210.900(1)(a)3.)

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

___6

Boiler Unit Number 4	
Supplemental Requirements for All Applications	
1. Process Flow Diagram:	Exhibit 3
2. Fuel Analysis or Specification :	Exhibit 16
3. Detailed Description of Control Equipment :	Exhibit 17A
4. Description of Stack Sampling Facilities:	Exhibit 18
5. Compliance Test Report :	Exhibit 19(N/A)
6. Procedures for Startup and Shutdown:	Exhibit 20
7. Operation and Maintenance Plan:	Exhibit 21
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA
Additional Supplemental Requirements for Category I Application	ns Only
10. Alternative Methods of Operations:	NA
11. Alterntive Modes of Operation (Emissions Trading):	NA

III. Part 13 - 11

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

Emissions Unit Information Section

12. Identification of Additional A	Applicable Requirements:	Exhibit 11
13. Compliance Assurance Monitoring Plan:		NA
14. Acid Rain Application (Hard	I-copy Required):	
NA	Acid Rain Part - Phase II (Form N	To. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form	n No. 62-210.900(1)(a)1.)
NA	New Unit Exemption (Form No. 62-210.900(1)(a)2.)	
NA	Retired Unit Exemption (Form No	o. 62-210.900(1)(a)3.)

Attachment

Proposed Revisions to the Prevention of Significant Deterioration Permit

For the Dade County Resource Recovery Facility

PROPOSED CHANGES FOR PSD & COC PERMITS - DCRRF

Notes:

- Permit numbers correspond to PSD Permit. Similar changes should be made to COC permit
- Inserted text is indicated by a single underline
- Deleted text is indicated by a strikeout
- Comments are shown in italics
- Normally underlined text, such as headings is indicated by a double underline..

Dade County Department of Solid Waste

Management

Permit Number: PSD-FL-006A

Expiration Date: June 30, 1999 November

13,2000

Comment - Add natural gas as supplemental fuel; remove process limits (in TPH, & MMBTU/HR); remove design description (in TPW & TPY as MACT does not require such definitions).

FACILITY DESCRIPTION

This permit is issued under the provisions of Chapter 403, Florida Status (F.S.), and chapters 62-210, 212, 272, 275, 296, 297 Florida Administrative Code (F.A.C); and, Chapter 62-4, F.A.C. The above name permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department of Environmental Protection (Department) and specifically described as follows:

For the construction (modification) of the existing Dade County Solid Waste Energy Resource Recovery Facility consisting of four (4) existing municipal waste combustor units located at 6990 N. W. 97th Avenue in Miami, Florida.

Each combustor unit shall be equipped with auxiliary burners to be fired by enly propane or natural gas at a maximum heat input of 80 MMbtu/hr. Emissions from each unit shall be controlled by a spray dryer scrubber followed by a baghouse. Mercury emissions shall be controlled by injecting activated carbon or other appropriate reagent. Combustion controls shall be installed for carbon monoxide and nitrogen oxides, as necessary, to meet the emission limits of this permit.

Each unit shall operate within the nominal design capacity of have a maximum permitted eapacity of 27 tons per hour (TPH) of Refuse Derived Fuel (RDF) and a maximum heat input of 302.4 MMBtu/hr, based on a refused derived fuel (RDF) heating value of 5600 Btu/lb. Unit capacity is not limited by these design factors, under this permit, and each unit shall instead be limited by steam flow and shall be allowed to produce a maximum of 180,000 lbs of steam per hour at 625 psig and 730°F unit

The Dade County Resource Recovery Facility is designed to process 3,000 tons per day (TPD), 18,000 tons per week (TPW) and 936,000 tons per year (TPY) of municipal solid waste (trash and garbage).

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Each unit shall be allowed to produce a maximum of 180,000 lbs of steam per hour at 625 psig and 730°F. Two 38-MW (gross) turbine-generators (using the steam from the four boilers) will supply the in-plant electrical load. The balance of the electricity generated will be sold to Florida Power Corporation.

The existing bulky waste processing system will be modified into a biomass fuel preparation system. The modified system will have the ability to process up to 400,00 tons per year (TPY) of bulky waste into biomass fuel. This biomass fuel would be transported off-site for use in biomass-fired cogeneration units located in South Florida or combusted on-site.

(Comment: Insert pages 2 through 6, paragraph 1 from original permit)

GENERAL CONDITIONS:

(Comment: Insert Conditions 1 through 15 from original permit)

Comment – Add condition to allow COC to be automatically revised by PSD changes. COC permit should state similarly that it is automatically modified by the PSD permit.

16. This permit is federally enforceable and, in keeping with Section 403.516 (5) of the Florida Statutes, shall have the effect of automatically modifying the Conditions of Certification PA77-08 for this site when changes are necessary to conform to any subsequent amendments, modifications, or renewals which prescribe new or stricter criteria.

SPECIFIC CONDITIONS:

Comments - Remove capacity limit in "TPH" and replace with load limit (in "lbs/hr" steam flow) as determined by method in MACT; revise limits (in "ppm" & "percent removal") that are less stringent than MACT to MACT levels; remove "lbs/hr", "tons/yr" & "lbs/MMBTU" emission limits as these are not required by MACT; remove error in statement of SO2 limit which currently prescribes (2) different 24-hour average limits.

1. EMISSION STANDARDS

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A. Maximum eapacity of load for each unit shall not exceed 27 tons/hr and 302.4 MMBtu/hr based on a heating value of 5,600 Btu/lb of refuse derived fuel (RDF) 180,000 lbs of steam per hour at 625 psig and 730°F, based on a 4-hour block average. The stack emissions from each unit shall not exceed any of the following limitations:

<u>Pollutant</u>	Emission Limits
(PM)	Particulate emissions from the baghouse shall not exceed 0.011 0.012 grains/dry standard ft ³ (gr/dscf), corrected to 7 percent O ₂ (dry basis); 6.6 lbs/hr per unit and 29.0 tons/year-per unit.
(PM ₁₀)	Particulate emissions less than 10 micron diameter shall not exceed 0.011 0.012 gr/dcscf, corrected to 7 percent O ₂ (dry basis); 6.6 lbs/hr per unit and 29.0 tons/year-per unit.
(SO ₂)	Sulfur Dioxide emissions shall not exceed 30 29 parts per million by volume (ppmvd), corrected to 7 percent O ₂ (dry basis); or 70 75 percent removal efficiency, whichever is least restrictive, based on a 24-hour daily period (i.e., block; midnight to midnight) geometric mean; not to exceed 70 ppmvd corrected to 7 percent O ₂ , 0.16 lb/MMBtu per unit, 48.9 lbs/hr per unit, 24-hour block average; and 214.2 tons/year-per unit.
(NO _x)	Nitrogen Oxide emissions shall not exceed 280 250 ppmvd corrected to 7 percent O ₂ (dry basis); 0.5 lb/MMBtu, 140.3 lbs/hr per unit, 24-hour daily arithmetic average; and 614.9 tons/year per unit. As specified in 40 CFR 60.33b(d)(1) a facility-wide average emission limit of 230 ppmvd, corrected to 7 percent O ₂ (dry basis), 24-hour average, shall be applied in lieu of the per unit limit provided that the conditions of 40 CFR 60.33b(d)(1) are met.

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(CO)

Carbon Monoxide emissions shall not exceed 200 ppmvd at 7 percent O₂ (dry basis) ; 0.20 lb/MMBtu, 61.1 lbs/hr per unit, 24-hour daily arithmetic average ; and, 267.7 tons/year per unit.

(VOC)

Volatile Organic Compound (Hydrocarbons) emissions shall not exceed 25 ppmvd, corrected to 7 percent O₂ (dry basis) ; 0.0145 lb/MMBtu, 4.37 lbs/hr per unit and 19.1 tons/yr per unit. Due to DCRRF's location in a non-attainment area for ozone, the permittee must furnish to the Department evidence (i.e. test results) that this facility emits less than 100 tons per year of hydrocarbons, or must obtain legally enforceable limits for the hydrocarbon emissions from this facility.

(HCI)

Hydrogen Chloride emissions shall not exceed 25 29 ppmvd, corrected to 7 percent O₂ (dry basis); or, 90 95 percent removal, whichever is least restrictive -, not to exceed 78 ppmvd corrected to 7 percent O₂, 0.10 lb/MMBtu, 30.6 lbs/hr per unit, and 134.2 tons/year-per unit.

(Hg)

Mercury emissions shall not exceed 70 micrograms per dry standard cubic meter (ug/dscm), corrected to 7 percent O₂ (dry basis); or, 20 percent by weight of the mercury in the flue gas upstream of the mercury control device (80 percent reduction by weight) not to exceed 6.1 x 10⁻⁵-lb/MMBtu, or 0.018 lb/hr per unit, and 0.080 ton/year per unit.

(Dioxins/Furans)

Emissions of total (tetra-through octa-chlorinated) dibenzo-p dioxins and dibenzofurans shall not exceed 60 30 nanograms per standard cubic meter (ng/m₃) corrected to 7 percent O₂ (dry basis), 5.2 x 10⁻⁸ lb/MMBtu, 1.6 x 10⁻⁵ lb/hr per unit, and 6.9 x 10⁻⁵ ton/year per unit.

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	and 0.97 ton/year per	-	
		shall not exceed 15 40 ug/m3 corrected to 7	
	percent O ₂ (dry basis unit.	t) , 0.006 lb/hr-per unit and 0.027 ton/year-per	
(H ₂ SO ₄)	Sulfuric Acid Mist emissions shall not exceed 2.1 ppmvd correct		
	and 9.8 tons/year per	basis) , 0.007 lb/MMBtu, 2.20 lbs/hr per unit · unit.	
		not exceed 380-490 ug/m ₃ corrected to 7	
	and 0.44 ton/year pe	r) , 3.3 x 10⁴ lb/MMBtu, 0.10 lb/hr per unit r unit.	
(Be)	•	shall not exceed 0.46 ug/m ₃ corrected to 7	
•	percent O ₂ (dry basis unit and 0.0005 ton/	y r per unit .	
(As)	Arsenic emissions sl	nall not exceed 9.3 ug/m ₃ corrected to 7 percent	
	O ₂ (dry basis) ; 8.1 x 0.011 ton/yr per unit	: 10 ⁻⁶ lb/MMBtu. 0.0024 lb/hr per unit and	
(VE)	There shall be no vis	ible emissions during the lime silo loading	
	operations (i.e., less	than 5 percent opacity).	
(VE)		piomass and ash silo baghouses, ash	
	• •	lo baghouses, and mercury reactant silo exceed a particulate matter limit of 0.01	
	grains/dscf, or visibl	e emissions of 5 percent opacity.	
(VE)		om any other baghouse exhaust shall not pacity (six minute average).	
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Pursuant to Rule 62-4.080 F.A.C., for good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions for any regulated pollutants and visible emissions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on request of the permittee, the Department may grant additional time.

2. COMPLIANCE DETERMINATION

A. STACK TESTING

1) Test Methods

Compliance with emission limiting standards referenced in Specific Condition No. 1 shall be demonstrated using EPA Methods, as specified in 40 CFR Part 60 (Standards of Performance for New Stationary Sources), Appendix A, or 40 CFR Part 61 (National Emission Standards for Hazardous Air Pollutants), Appendix B. No other test method shall be used unless approval from the Department has been received in writing. Any alternate sampling procedures shall be approved in accordance with Rule 62-297.620, F.A.C. A test protocol shall be submitted for approval to the Bureau of Air Regulation at least 90 days prior to testing.

Comments: Revise Test Methods to Methods specified under MACT; remove reference to F- Factor; add condition specifying minimum allowable carbon usage rate (as required under MACT); add provision allowing CEM data for annual compliance determination.

EPA Method	For Determination Of
1	Sample and Velocity Traverses for Stationary Sources.
2	Stack Gas Velocity and Volumetric Flow Rate
3A <u>or 3</u>	Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources
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4	Moisture Content in Stack Gases	
5	PM Emissions from Stationary Sources	
201 or 201A	PM ₁₀ Emissions; however, if compliance with PM emission limitations are met, these tests are not required.	
6C and 19 CEM; 6C for RATA; & 19 Sec 4.3 & 5.4 for averaging calculations	Sulfur Dioxide Emissions from Stationary Sources	
CEM; 7E-for RATA; and 19 Sec 4.1for averaging	Nitrogen Dioxide Emissions from Stationary Sources	
9	Visible Emission Determination of Opacity from Stationary Sources	
CEM; 10 for RATA	Carbon Monoxide Emissions from Stationary Sources	
12 <u>29</u>	Inorganic Lead Emissions from Stationary Sources	
13A or 13B	Total Fluoride Emissions from Stationary Sources	
<u>22</u>	Visible Determination of Fugitive Emissions From Material Sources and Smoke Emissions from Flares	

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Polychlorinated Dibenzo-p-Dioxins and Polychlorinated

Dibenzofurans

25 or 25A Total Gaseous Volatile Organic Compounds Concentration

26 or 26A Hydrogen Chloride Emissions from Stationary Sources

40CFR 266 Cadmium Emissions

Appendix IX
Section 3.1 29

101A 29 Gaseous Mercury Emissions from Sewage Sludge Incinerators

104 Beryllium Emissions from Stationary Sources

108 Gaseous Arsenic Emissions

The weight of the refuse derived fuel (RDF) being fed to each combustor during the compliance test shall be determined by use of the EPA published "F" factor for MSW, which is 9,570 dsef/MMBtu (Fd), or 1,820 sef/MMBtu (Fc) (reference 40 CFR 60, Appendix A, Method 19, Table 19-1, 1993 edition). The unit load during compliance testing shall be determined by a 4-hour block arithmetic average of the steam flow reported in pounds per hour as specified in 40 CFR 60,58b(i)(6).

Testing shall be conducted upstream (removal efficiency for SO₂ and HCl) and downstream (mass emissions) of the applicable control device for the following pollutants: SO₂, Hg, and HCl. Soot blowers shall be operated in a mode consistent with normal cleaning requirements of the system during the compliance testing.

If carbon is used to achieve the mercury limit or the dioxin/furan limit under Condition 1.A. of this permit, the rate of carbon injection used to achieve the emission limits during the most recent compliance test shall be determined according to the procedures in 40 CFR 60.58b(m). During operation the unit carbon injection feedrate must equal or exceed the level documented during the most recent compliance test.

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Test results will be the average of three valid runs of at least one-hour runs. Annual emissions testing may use the results of a certified continuous emissions monitor over the averaging period required by the specific EPA test method to demonstrate compliance with emissions limits of Condition 1.A. of this permit. The Department's Southeast District office and the Dade County's Department of Environmental Resource Management (DERM) office will be notified at least 30 days in writing in advance of the compliance test(s).

Testing of emissions shall be conducted with the source operating at permitted capacity. Permitted capacity is defined as 90-100% of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, the sources may be tested at less than 90% of the maximum operating rate allowed by the permit, in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen consecutive days for purposes of additional compliance testing to regain the permitted capacity in the permit, with prior notification to the Department's Southeast District office and the Dade County's DERM office.

2) <u>Testing Frequency</u>

- a) Compliance with emissions standards contained in Condition No. 1 shall be determined by conducting stack tests within 60 days after achieving the maximum production rate at which this facility will be operating, but not later than 180 days after initial startup, and annually thereafter except as specified in "c" and "d" of this section. These tests may be staggered throughout the year with the approval of the Department's Bureau of Air Regulation.
- b) For mercury emissions, testing shall be performed according to Rule 62-296.416, F.A.C.
- c) As specified in 40 CFR 60-38b(b) and 60.58b(g)(5)(iii), where all performance tests over a 2-year period indicate dioxin/furan emissions are less than or equal to 7 nanograms per dry standard cubic meters (total mass) for all (4) units within the facility, the permittee may elect to conduct annual performance test for one unit per

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year. If any annual test indicates a dioxin/furan emission level greater than 7 nanograms per dry standard cubic meters (total mass) performance tests thereafter shall be conducted annually on all (4) units until annual performance tests for all (4) units indicate a dioxin/furan emission level less than or equal to 7 nanograms per dry standard cubic meters (total mass).

- Dursuant to Rule 62-2977.340(2), F.A.C., when the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in this permit is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said test to the Department's Southeast District office and the Dade County's DERM office.
- e) Compliance testing of ash silos (baghouse) and the lime silo loading operation (visible emissions test) shall be conducted within 90 days of completion of construction and initial operation; and, annually thereafter.
- 1) Notification requirements of 40 CFR Parts 60.7 and 61.09 shall be complied with by the owner/operator of the facility.

3) Sampling Ports

The permittee shall provide sampling ports in the air pollution control equipment inlet (control efficiency measurement) outlet duct or stack and shall provide access to the sampling ports in accordance with Chapter 62-297, F.A.C. Detailed drawings of the stacks showing testing facilities and sampling port locations, as required by Rule 62-297.345, F.A.C, shall be submitted to the Department's Southeast District office and the Dade County's DERM office for approval at least 60 days prior to construction of the stack.

- 4) Temperature Standard and Monitoring
- (a) Temperature Standard

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Except during a malfunction, the maximum flue gas temperature at the final particulate matter control device inlet, during the combustion of solid waste, shall not exceed 30 degrees Fahrenheit above the maximum temperature measured at the particulate matter control device inlet during the most recent mercury compliance test under which the facility was found to be in compliance with the mercury emission limit specified in Specific Condition No. I, based on a 4-hour block arithmetic average. If the maximum flue gas temperature standard is exceeded during a malfunction, then up to three hours of that malfunction may be excluded from the 4-hour block arithmetic average.

(b) Temperature Monitoring

Continuous monitoring equipment shall be installed on each unit to monitor and record the flue gas temperature at the inlet to the final particulate matter control device and record the output. The monitors shall be calibrated, operated and maintained in accordance with the manufacturers' instructions.

- (1) The temperature shall be calculated in a 4-hour block arithmetic averages.
- (2) The monitoring equipment shall meet the requirements of 40 CFR 60.13, including certification of each device in accordance with 40 CFR 60.7(a)(5). The monitoring equipment is to be certified by the manufacturer to be accurate with ± 1-5 percent of the temperature being measured

B. MONITORING REQUIREMENTS

1) Continuous Emissions Monitoring

Continuous monitors with recorders shall be installed, calibrated, maintained and operated for each unit, subject to approval by the Department, for the following:

- Carbon Monoxide
- Nitrogen oxides
- Oxygen
- Opacity

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Sulfur Dioxide (for SO2, one monitor shall be locate upstream of the scrubber and one shall be located downstream of the baghouse), as specified in 40 CFR 60, Appendix B

- Total steam production (lbs/hr, pressure, and temperature)
- Power generation (MW)
- Slake lime utilization
- Activated carbon or mercury reactant injection or usage rate
- Temperature of combustion zone

The monitoring devices shall meet the applicable requirements of Chapter 62-297, F.A.C., 40 CFR 60 Appendix F, 40 CFR 60.58a 60.58b, and 40 CFR 60.13, including certification of each device in accordance with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60.7(a)(5), Notification Requirements. Data on monitoring equipment specifications, manufacturer, type calibration and maintenance requirements, and the proposed location of each monitor shall be provided to the Department's Southeast District office and the Dade County's DERM office for review at least 90 days prior to installation.

C. **OPERATING PROCEDURES**

Operating procedures shall include food combustion practices and proper training and certification of all operators and supervisors. The good combustion practices shall meet the guidelines established in 40 CFR 60, Subpart Ea Cb and procedures as established by the equipment manufacturers. All operators (including supervisors) of air pollution control devices shall be properly trained and certified in plant specific equipment (40 CFR 60.56a). (40 CFR 60.54b). A list of all such certified personnel shall be submitted to the Department's Southeast District office and the Dade County's DERM office.

Department staff shall be given notice of any training sessions related to operation and maintenance of air pollution control devices.

The emission standards for this facility shall apply at all times, except during periods of start-up, shut-down, or malfunctions, provided that the duration of start-up, shut-down, or malfunction shall not exceed 2 hours in any 24 hour period. The start-up period commences when the affected facility begins the continuous burning of RDF but does not include any warm-up period when the affected facility is combusting only propane gas or natural gas.

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During all startups, shutdowns, and malfunctions the owner/operator shall use best operational practices to minimize air pollutant emissions.

Within 90 days prior to start-up of the modified facility, the permittee shall submit to the Department's southeast District office and the Dade County's DERM office an operational procedures manual that identifies and prescribes best operational practices that will be used during startup, shutdown, and malfunctions of this facility.

Comments: Remove MMBTU/HR and TPH, TPD, TPW & TPY capacity limits for consistency with MACT and replace with unit load limit; add natural gas as supplemental fuel source; add MACT conditions on fugitive emissions.

3. OPERATIONAL REQUIREMENTS

A. OPERATING CAPACITY

- 1) Each unit shall not be operated in excess of the permitted maximum capacity of 302.4 MMBtu/hr, based on maximum heating value of 5,600 Btu/lb of RDF and 27 tons RDF per hour per unit. Each unit shall not be operated in excess of the lesser of i) the permitted maximum load of 180,000 lbs/hr steam flow based on a 4-hour average, or ii) 110% of the maximum demonstrated unit load during the most recent dioxin/furan test.
- 2) The unit load specified in Condition 3.A.(1), shall not apply during the annual dioxin/furan performance testing and during the 2 weeks preceding the annual dioxin/furan performance test.
- 2) 3) The DCRRF is allowed to process 400,000 TPY of bulky waste (trash) for biomass fuel preparation. This biomass fuel will be transported and combusted off-site, and used on-site for fuel supply.
- 3) The DCRRF is allowed to process 3,000 tons per day, 18,000 tons per week, and 936,000 tons per year of RDF.

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4) The DCRRF is allowed to operate continuously (8,760 hours per year).

B. AUXILIARY BURNERS

Auxiliary burners for each unit shall be fired only by propane gas or natural gas. They shall not exceed a heat input of 80 MMBtu/hr. Natural gas or propane gas may be used as fuel during warm-up, start-up, shutdown, and malfunction periods, and at other times when necessary and consistent with good combustion practices.

- C. RESTRICTION FOR TYPE OF WASTES COMBUSTED
- 1) The primary fuel for the facility is municipal solid waste (MSW) including the items and materials that fit within the definition of MSW contained in either 40 CFR 60.51b or Section 403.706(5), Florida Statutes (1995).
- No biological waste, bio-medical waste, sewage sludge, of hazardous wastes shall be combusted at this facility without obtaining proper modification to the site certification conditions.
- The permittee may combust up to 3% (by weight) of used tires along with the RDF. If the applicant wishes to combust use tires in excess of 3% (by weight), a modification to this permit will be required prior to increasing the feed rate of the tires.
- 4) Used oil, oily water, oily sludge, spent greases and oily solids (such as rags)

 generated from on-site sources may be burned at the facility provided that
 the material conforms to the standards of 40 CFR 761.20(e) and 40 CFR

 279.11. A composite, that is representative of the material disposed of,
 shall be analyzed quarterly to demonstrate that the waste meets the
 following specifications:

Arsenic		5 ppm. Max.
Cadmium	-	2 ppm, max.
Chromium	-	10 ppm, max.
Lead	-	100 ppm, max.

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Total halogens - 1000 ppm max.

Flash point - 100 degrees F., min.

PCB - less than 2 ppm

The heating value of the waste oil shall also be determined during quarterly testing. No more than 0.5% percent of the maximum design heat input to the units, on a monthly average, of oily wastes shall be disposed of in the units.

D. BAGHOUSE OPERATIONS

The baghouses installed downstream of the dry lime scrubbers shall be equipped with pressure drop monitoring instruments. The baghouses shall have a maximum air to cloth ratio of 4:1.

E. STACK HEIGHT

The height at the top of the boiler exhaust stacks shall not be less than 250 feet above grade.

F. FUGITIVE (UNCONFINED) EMISSIONS

Fugitive (unconfined) emission at the facility shall be adequately controlled at all times (Rule 62-296.310, F.A.C.). All roads, except roads within the ash landfill, shall be adequately paved to control visible dust. Maximum 15MPH speed limit signs shall be posted to minimize dust generation. Residue from the grates, grate siftings, and ash from the combustor/boiler and fabric filter hoppers during normal operations shall be discharged into the ash handling and silo system to minimize fugitive dust. The ash/residue in the bottom ash building shall be kept sufficiently moist to minimize fugitive dust during storage and handling operations.

In accordance with 40 CFR60.55b fugitive emissions from the ash conveying points shall not be observed in excess of 5% of the time for a 3-hour observation period (i.e. 9 minutes per 3-hour period) as determined by EPA Method 22. This limit

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does not apply to emissions inside buildings or enclosures or the emission generated during maintenance and repair of the ash conveying systems.

In accordance with Rule 62-296.310(3)(b), F.A.C., reasonable precautions during the processing of biomass may include, but shall not be limited to the following:

- 1) Windows and doors of the enclosed space shall be kept closed except when needed to minimize fugitive dust.
- Conveyor systems, screens, handling shredded wood fines and dust shall be covered enclosed.
- 3) Shredded wood conveyor systems shall have baghouse pick up points a—at the transfer points.
- 4) Wind breaks shall be installed around the shredded wood load-out area.
- 5) Floors in the enclosed area shall be cleaned periodically.
- 6) Loading areas for shredded wood shall be cleaned or wetted as needed to minimize fugitive dust.
- 7) Trucks transporting shredded wood shall be covered.

g.G. ODOR CONTROL

No air pollutants that cause or contribute to objectionable odors are allowed form this facility pursuant to Rule 62-296.320(2), F.A.C. The truck access doors to the facility shall remain closed except during normal working shifts when garbage is being received near the garbage storage pit area to allow vehicle passage. To minimize odors at the facility, a negative pressure shall be maintained on the garbage tipping floor and air from within the garbage building will be used as the combustion air.

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4. MISCELLANEOUS REQUIREMENTS

A. EMISSION CONTROL EQUIPMENT DESIGN SPECIFICATIONS

- 1) The combustor's particulate control baghouse shall be designed. constructed and operated to achieve a maximum emission rate of 0.011 0.012 grains per dscf, corrected to 7 percent O₂
- 2) The facility shall be equipped with dry scrubbers designed, constructed and operated to remove SO₂ at an efficiency of 70 75 percent, by weight, or to achieve a maximum emission rate of 30 29 ppmvd, corrected to 7 percent O₂, 24-hour daily geometric mean, whichever is less stringent,
- 3) Carbon injection will be installed and operated if necessary to achieve a mercury emission limit in Condition I.
- Permanently mounted gas burners and other controls will be installed and 4) operated, if necessary, to achieve a maximum nitrogen oxide and carbon monoxide emission rate in Condition 1.
- <u>5)3)</u> The permittee shall submit to the Department's Bureau of Air Regulation, within thirty (90) days after it becomes available, copies of technical data pertaining to the selected emission control systems. The technical data should include, but not be limited to, guaranteed efficiencies and emission rates, and major design parameters.

B. RECORDKEEPING

The DCRRF shall maintain a central file containing all measurements, records, and other data that are required to be collected pursuant to the various specific conditions of this permit. This file shall include but not be limited to:

(I the data collected from in-stack monitoring instruments;

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2) the records on RDF input rate per unit;

- 3) the amount of propane gas and natural gas burned per unit;
- 4) the results of all source tests or performance tests;
- 5) the amount of activated carbon or other reactant chemicals used for mercury control;
- 6) calibration logs for all instruments;
- 7) maintenance/repair logs for any work performed on equipment or instrument which is subject to this permit; and, equipment or instrument which is subject to this permit; and,
- 8) fuel analysis data.

All measurements, records, and other data required to be maintained by DCRRF shall be retained for at least five (5) years following the date on which such measurements, records, or data are recorded. These data shall be made available to the Department upon request. The Department's Southeast District office and the Dade County's DERM office shall be notified in writing at least 15 days prior to the testing of any instrument required to be operated by these conditions of certification in order to allow witnessing by authorized personnel.

(Comment – Insert remaining sections of the permit – Sections 4C through Section 5 – which are unchanged.)