

**Title V**  
**SMITH ELECTRIC**  
**GENERATING**  
**PLANT PERMIT**  
**APPLICATION**  
Volume I

Gulf Power Company  
500 Bayfront Parkway  
Post Office Box 1151  
Pensacola, FL 32520  
Telephone 904 444-6111

Application Info:



June 13, 1996

Mr. John Brown  
Florida Department of Environmental Protection  
Division of Air Resources Management  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

**RECEIVED**

JUN 14 1996

BUREAU OF  
AIR REGULATION

Dear Mr. Brown:

0050014-001-AV

Re: GULF POWER COMPANY TITLE V APPLICATIONS  
PLANT CRIST, PLANT SCHOLZ, PLANT LANSING SMITH

Gulf Power Company hereby submits one original and three copies of Title V applications for electric generating facilities located at Plant Crist, Plant Scholz, and Plant Lansing Smith as required under 62-210.300 F.A.C. These applications were formatted pursuant to FDEP's ELSA 1.3 software and contain several inaccuracies due to problems within the ELSA software. The following items should be noted regarding these applications:

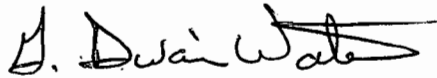
- Comment sections are limited in many cases due to the available field size. The Department reviewer should refer to all attachments referenced in the comment sections to gain a clear understanding of the comments.
- ELSA numerical values are rounded automatically, usually to two decimal points causing problems with potential emission calculations for HAPS and "Allowable" emissions. Please note that not all calculations round correctly from lbs/hour to tons/year, etc.
- Each facility application contains detailed inventories of hazardous air pollutants (HAPS) under the "Emissions Unit Pollutant" section. These pollutants are listed for informational purposes for total HAPS only and are considered non-regulated emissions.

Additionally, please find an electronic copy located in the first volume of the above referenced applications formatted in ELSA 1.3(b). The electronic version is being submitted to assist the Department in processing these applications. However, Gulf Power feels that the written hard copy should be considered the official version because of problems encountered in upgrading the older version of ELSA to the new.

Mr. John Brown  
June 13, 1996  
Page 2

If you have questions or need further information regarding Gulf Power's Title V applications please call me at (904) 444-6527.

Sincerely,



G. Dwain Waters  
Air Quality Programs Coordinator

Attachments

cc w/att: J. O. Vick, Gulf Power Company  
J. M. Dominey, Gulf Power Company  
S. H. Houston, Gulf Power Company  
K. Peacock, Gulf Power Company  
G. N. Terry, Gulf Power Company  
L. S. Noack, Gulf Power Company  
K. F. Kosky, KBN Engineering

cc w/o att: G. Edison Holland, Jr, Gulf Power Company  
C. R. Lee, Gulf Power Company  
Joseph W. Martin, Gulf Power Company  
Lewis A. Jeffers, Gulf Power Company  
Howard Rhodes, Florida Department of Environmental Protection  
Angela Morrison, Hopping, Green, Sams & Smith  
Danny Herrin, Southern Company Services

**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**

1. Facility Owner/Company Name : Gulf Power Company	
2. Site Name : Lansing Smith Electric Generating Plant	
3. Facility Identification Number : 0050014 <span style="float: right;">[ ] Unknown</span>	
4. Facility Location : Lansing Smith Electric Generating Plant Gulf Power Company 4300 County Road Bay County, Fl. 32409 2.5 miles northwest of Lynn Haven. Facility I.D. 10PCY030014 AIRS I.D. 0050014  Street Address or Other Locator : 4300 Highway 2300 City : Southport <span style="float: right;">County : Bay</span> <span style="float: right;">Zip Code : 32409-____</span>	
5. Relocatable Facility? [ ] Yes [X] No	6. Existing Permitted Facility? [X] Yes [ ] No

I. Part 1 - 1

## **COMPLIANCE REPORT AND PLAN**

The facility and emissions units identified in this application are in compliance with the Applicable Requirements identified in Sections B and D of the application form and attachments referenced in Section E. 11. and L. 12. (if included). Compliance is certified as of the date this application is submitted to the Florida Department of Environmental Regulation as required in Rule 62-213.420(1)(a) F.A.C. Any exceptions to this certification are noted below. The information provided in the following attachments provide a summary of emission limitations and schedules for determining compliance for each regulated emission unit.

### **ADDITIONAL APPLICABLE REQUIREMENTS**

Applicable Requirements as defined in Rule 62-210.200(29) not identified in Section D of the emission unit sections are included in an attachment to this application. Any air operation permit issued by the Department (or local program designee) and included in attachments is provided for information purposes. The specific conditions of the operating permit are not Applicable Requirements as defined in Rule 62-210.200(29) unless implementing a specific Applicable Requirement of the Department's rules (e.g., emission limitations and consent orders).

### **TRIVIAL ACTIVITIES**

The trivial activities identified in this application are provided for information only and are identified as examples of, but not limited to, the trivial activities identified by the Division of Air Resources Management (DARM's) guidance. It is understood that such activities do not have to be included in with the Title V Application. The trivial activities identified herein are consistent, in terms of amounts of emissions and types, with those activities listed in DARM's guidance.

### **NOTIFICATION OF TEMPORARY EXEMPTIONS**

Pursuant to Rule 62-210.300(3)(b)1., notice is herein provide that the emissions units listed in the materials handling and miscellaneous activities for sections are not subject to a permit issued by the Department of Environmental Protection and are exempt from permitting until a final determination is made under the Title V permitting requirements (Rule 62-213 F.A.C.). These units would not have triggered review under Rules 62-212.400 or 62-212.500 or any new source performance standard listed in Rule 62-204.800 F.A.C.

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official :

Name : G.E. Holland Jr.  
Title : V.P. Power Generation/Transmission

2. Owner or Authorized Representative or Responsible Official Mailing Address :

Organization/Firm : Gulf Power Company  
Street Address : 500 Bayfront Parkway  
City : Pensacola  
State : FL Zip Code : 32520-0100

3. Owner/Authorized Representative or Responsible Official Telephone Numbers :

Telephone : (904)444-6393 Fax : (904)444-6744

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  
Effective : 3-21-96

**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>
002	Plant Lansing Smith Unit 2 Electric Utility Boiler	1
003	Plant Lansing Smith Combustion Turbine	1
001	Plant Lansing Smith Unit 1 Electric Utility Boiler	1
004	Plant Lansing Smith Material Handling Activities	3
005	Plant Lansing Smith Miscellaneous Activities	3

**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 :

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 :



- ] 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 Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed :

- ] Air operation permit revision for a synthetic non-Title V source.

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.

**Application Processing Fee**

Check one :

Attached - Amount : \_\_\_\_\_  Not Applicable.

**Construction/Modification Information**

1. Description of Proposed Project or Alterations :  Not Applicable
2. Projected or Actual Date of Commencement of Construction :
3. Projected Date of Completion of Construction :

**Professional Engineer Certification**

1. Professional Engineer Name : Kennard Kosky , P. E. Registration Number : 14996
2. Professional Engineer Mailing Address :  KBN Engineering and Applied Science Street Address : 6241 NW 23rd Street City : Gainesville State : FL Zip Code : 32653-1500
3. Professional Engineer Telephone Numbers : Telephone : (352)336-5600 Fax : (352)336-6603

4. Professional Engineer Statement :

*I, the undersigned, hereby certified, 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

*Smith, P. T.*

Date

*6/6/96*

Attach any exception to certification statement.

I. Part 6 - 1

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

Effective : 3-21-96

**Application Contact**

1. Name and Title of Application Contact :

Name : G.Dwain Waters  
Title : Air Quality Programs Coordinator

2. Application Contact Mailing Address :

Organization/Firm : Gulf Power Company  
Street Address : P.O. Box 1151  
City : Pensacola  
State : FL                      Zip Code : 32520-0328

3. Application Contact Telephone Numbers :

Telephone : (904)444-6527                      Fax : (904)444-6217

**Application Comment**

INITIAL TITLE V APPLICATION.

**Plant Smith**  
**Index of Electronic Submission Supplemental Files**

File name	Hardcopy Location		Description
	ELSA Section	Volume	
EUS1SM.PRE	EUS-1	II	Unit 1 Process Flow Diagram Unit 2 Process Flow Diagram Material Handling Flow Diagram Material Handling Coal Pile and Conveyors Ash Handling Flow Diagram Material Handling Ashponds and Storage Tanks Process Flow Tanks Plot Plan
EUS3SM1C.DOC	EUS-3	II	Electrostatic Precipitators Unit 1 - Cold
EUS3SM1H.DOC	EUS-3	II	Electrostatic Precipitators Unit 1 - Hot
EUS3SM2C.DOC	EUS-3	II	Electrostatic Precipitators Unit 2 - Cold
EUS3SM2H.DOC	EUS-3	II	Electrostatic Precipitators Unit 2 - Hot
EUS6SM1.DOC	EUS-6	II	Startup Procedures Shutdown Procedures
EUS6SM3.DOC	EUS-6	II	Combustion Turbine Startup & Shutdown
EU10SM1.DOC	EUS-10	II	Alternative Methods of Operation Unit 1
EU10SM2.DOC	EUS-10	II	Alternative Methods of Operation Unit 2

index.doc

Notes on File Types / File Name Extension:

- DOC - Microsoft Word
- WK4 - Lotus 123
- PRE - Lotus Freelance
- EPA - WordPerfect
- DEP - WordPerfect
- TXT - ASCII Text

**Plant Smith**  
**Index of Electronic Submission Supplemental Files**

File name	Hardcopy Location		Description
	ELSA Section	Volume	
SMRULE.DEP	II. Facility Information	I	EPA Applicable Requirements List
SMRULE.EPA	II. Facility Information	I	FDEP Applicable Requirements List
FS2SM.PRE	FS-2	I	Facility Plot Plan Unit Emissions Plot Plan
FS3SM.PRE	FS-3	I	Facility Process Flow
FS4SM.DOC	FS-4	I	Precautions to Prevent Emissions of Unconfined Particulate Matter
FS7SM.DOC	FS-7	I	Trivial and Exempt Activities Summary
FS14SM.DOC	FS-14	I	Compliance Report and Plan
FS15SM.DOC	FS-15	I	Compliance Certification
SM1RULE.DEP	Emission Unit 1 D. Emissions Unit Regulations	I	FDEP Applicable Requirements List
SM1RULE.EPA	Emission Unit 1 D. Emissions Unit Regulations	I	EPA Applicable Requirements List
SM2RULE.DEP	Emission Unit 2 D. Emissions Unit Regulations	I	FDEP Applicable Requirements List
SM2RULE.EPA	Emission Unit 2 D. Emissions Unit Regulations	I	EPA Applicable Requirements List
SM3RULE.DEP	Emission Unit 3 D. Emissions Unit Regulations	I	FDEP Applicable Requirements List
SM3RULE.EPA	Emission Unit 3 D. Emissions Unit Regulations	I	EPA Applicable Requirements List
EU4SM.DOC	Emission Unit 4 L. Emissions Unit Supplemental Information	I	Miscellaneous Coal/Ash Emissions
EU4SM.WK4	Emission Unit 4 L. Emissions Unit Supplemental Information	I	Fugitive Emissions Worksheets
EU5SM.DOC	Emission Unit 5 L. Emissions Unit Supplemental Information	I	Miscellaneous Emissions
EU5SMTAN.WK4	Emission Unit 5 L. Emissions Unit Supplemental Information	I	Tank Summary Spreadsheet
EU5SMTAN.TXT	Emission Unit 5 L. Emissions Unit Supplemental Information	I	TANKS Output

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility, Location, and Type

1. Facility UTM Coordinates : Zone : 16 East (km) : 625.03 North (km) : 3349.08			
2. Facility Latitude/Longitude : Latitude (DD/MM/SS) : 30 16 8 Longitude (DD/MM/SS) : 85 42 1			
3. Governmental Facility Code : 0	4. Facility Status Code : A	5. Facility Major Group SIC Code : 49	6. Facility SIC(s) :
7. Facility Comment :  Facility is a fossil-fired electric generating plant comprising of two coal fired units of 175 MW and 205 MW and one #2 fuel oil fired 40 MW combustion turbine with their supporting systems.			

#### Facility Contact

1. Name and Title of Facility Contact :  Stanley H. Houston Plant Environmental Coordinator			
2. Facility Contact Mailing Address : Organization/Firm : Gulf Power Company - Lansing Smith Street Address : 4300 Highway 2300 City : Southport State : FL Zip Code : 32409-____			
3. Facility Contact Telephone Numbers : Telephone : (904)265-2185 Fax : (904)271-1697			



**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)?	Y
7. Synthetic Minor Source of HAPs?	N
8. One or More Emissions Units Subject to NSPS?	N
9. One or More Emission Units Subject to NESHAP?	N
10. Title V Source by EPA Designation?	Y
11. Facility Regulatory Classifications Comment :	
Plant Lansing Smith is a Phase II Title IV Acid Rain facility.	

**B. FACILITY REGULATIONS**

**Rule Applicability Analysis**

Not Applicable.

## B. FACILITY REGULATIONS

### List of Applicable Regulations

Title V Core List

Lansing Smith Facility Federal-Regulation List (Smrule.EPA)

Lansing Smith Facility State-Regulation List (SmruleDEP)

II. Part 3b - 1

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



# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

April 1, 1996

Owners  
Title V Sources

Dear Permittee:

Department records indicate that you operate a facility that is subject to Title V of the Clean Air Act. As you probably know, applications for Title V permits are due by June 15, 1996.


The Department has made numerous changes in its rules in recent months. Therefore, the Title V Core List, a list of rules that presumptively applies to each Title V source, has been updated and is provided for your convenience in completing the Title V application.

Enclosed you will also find a cross-reference of the old rule numbers and their new numbers.

Applicants are encouraged to use the new listing, however, to the extent that the applications have been completed by using the outdated rule references, it is not essential that the applications be changed.

If your facility is not subject to Title V, please disregard. If you do not know whether your facility is a Title V source or if you need additional information, please contact the Title V coordinator in Tallahassee for your geographical location as shown on the enclosure.

Sincerely,

  
John C. Brown, Jr., P.E.  
Administrator, Title V Section  
Bureau of Air Regulation

JCB/sk

Enclosures

# Title V Core List

Effective: 03/25/96

[**Note:** The Title V Core List is meant to simplify the completion of the "List of Applicable Regulations" for DEP Form No. 62-210.900(1), Application for Air Permit - Long Form. The Title V Core List is a list of rules to which all Title V Sources are presumptively subject. The Title V Core List may be referenced in its entirety, or with specific exceptions. The Department may periodically update the Title V Core List.]

**Federal:** (description)

40 CFR 61: National Emission Standards for Hazardous Air Pollutants (NESHAP)  
40 CFR 61, Subpart M: National Emission Standard for Asbestos.

40 CFR 82: Protection of Stratospheric Ozone.  
40 CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC).  
40 CFR 82, Subpart F: Recycling and Emissions Reduction.

**State:** (description)

**CHAPTER 62-4, F.A.C.: PERMITS, effective 10-16-95**

62-4.030, F.A.C.: General Prohibition.  
62-4.040, F.A.C.: Exemptions.  
62-4.050, F.A.C.: Procedure to Obtain Permits; Application.  
62-4.060, F.A.C.: Consultation.  
62-4.070, F.A.C.: Standards for Issuing or Denying Permits; Issuance; Denial.  
62-4.080, F.A.C.: Modification of Permit Conditions.  
62-4.090, F.A.C.: Renewals.  
62-4.100, F.A.C.: Suspension and Revocation.  
62-4.110, F.A.C.: Financial Responsibility.  
62-4.120, F.A.C.: Transfer of Permits.  
62-4.130, F.A.C.: Plant Operation - Problems.  
62-4.150, F.A.C.: Review.  
62-4.160, F.A.C.: Permit Conditions.  
62-4.210, F.A.C.: Construction Permits.  
62-4.220, F.A.C.: Operation Permit for New Sources.

**CHAPTER 62-103, F.A.C.: RULES OF ADMINISTRATIVE PROCEDURE, effective 12-31-95**

62-103.150, F.A.C.: Public Notice of Application and Proposed Agency Action.  
62-103.155, F.A.C.: Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

## **Title V Core List**

Effective: 03/25/96

### **CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL REQUIREMENTS, effective 03-21-96**

62-210.300, F.A.C.: Permits Required.

62-210.300(1), F.A.C.: Air Construction Permits.

62-210.300(2), F.A.C.: Air Operation Permits.

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

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

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

62-210.300(5), F.A.C.: Notification of Startup.

62-210.300(6), F.A.C.: Emissions Unit Reclassification.

62-210.350, F.A.C.: Public Notice and Comment.

62-210.350(3), F.A.C.: Additional Public Notice Requirements for Facilities Subject to Operation Permits for Title V Sources.

62-210.360, F.A.C.: Administrative Permit Corrections.

62-210.370(3), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility.

62-210.650, F.A.C.: Circumvention.

62-210.900, F.A.C.: Forms and Instructions.

62-210.900(1) Application for Air Permit - Long Form, Form and Instructions.

62-210.900(5) Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions.

### **CHAPTER 62-213, F.A.C.: OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION, effective 03-20-96**

62-213.205, F.A.C.: Annual Emissions Fee.

62-213.400, F.A.C.: Permits and Permit Revisions Required.

62-213.410, F.A.C.: Changes Without Permit Revision.

62-213.412, F.A.C.: Immediate Implementation Pending Revision Process.

62-213.420, F.A.C.: Permit Applications.

62-213.430, F.A.C.: Permit Issuance, Renewal, and Revision.

62-213.440, F.A.C.: Permit Content.

62-213.460, F.A.C.: Permit Shield.

62-213.900, F.A.C.: Forms and Instructions.

62-213.900(1) Major Air Pollution Source Annual Emissions Fee Form, Form and Instructions.

## **Title V Core List**

Effective: 03/25/96

**CHAPTER 62-256, F.A.C.: OPEN BURNING AND FROST PROTECTION FIRES**, effective 11-30-94

**CHAPTER 62-257, F.A.C.: ASBESTOS NOTIFICATION AND FEE**, effective 03/24/96

**CHAPTER 62-281, F.A.C.: MOTOR VEHICLE AIR CONDITIONING REFRIGERANT RECOVERY AND RECYCLING**, effective 03-07-96

**CHAPTER 62-296, F.A.C.: STATIONARY SOURCES - EMISSION STANDARDS**, effective 03-13-96

62-296.320(2), F.A.C.: Objectionable Odor Prohibited.

62-296.320(3), F.A.C.: Industrial, Commercial, and Municipal Open Burning Prohibited.

62-296.320(4)(c), F.A.C.: Unconfined Emissions of Particulate Matter.

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**Division of Air Resources Management  
Rule Repeals and Conforming Amendments  
Cross-Reference of Rule Number Changes**

March 24, 1996

Based on FAW Notices:     10/27/95 (effective 1/1/96 & 1/2/96)  
                                  12/15/96, 2/2/96, & 2/9/96 (effective 3/13/96)  
                                  1/26/96 (effective 3/24/96)

**Rules Moved or Renumbered**

**From:**

**To:**

**62-204:**

204.500	204.500(1)
204.500(1)-(4)	204.500(1)(a)-(d)
204.600	204.500(2)

**62-210:**

210.400(4)	212.600(3)
Fig. 210.400-1	212.600(3)(c)4. - figure replaced by equation
210.500 - except last sentence	204.220(4)

**62-212:**

212.200 - all definitions	210.200 - definitions merged in as needed
212.400(6)-(8) and below	212.400(7)-(9) and below
212.410(1)(a)-(d)	212.400(6)(a)1.-4.
212.410(2)	212.400(6)(b)
212.410(3)(a) and below	212.400(6)(c) - amended to cite CFR
212.410(3)(b) and below	212.400(6)(c)1. - amended to cite CFR
212.410(3)(c)	212.400(6)(c)2.
212.410(4)(a)-(b)	212.400(6)(d)1.-2.
212.500(7) and below	212.500(8) and below
212.510(1)(a)-(c)	212.500(7)(a)1.-3.
212.510(2)-(3)	212.500(7)(b)-(c)
212.700(1)-(2)	210.300(6)(a)-(b)



DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-213:**

213.200 - all definitions  
213.210

210.200 - definitions merged in as needed  
213.205(5)

**62-214:**

214.200 - all definitions

210.200 - definitions merged in as needed

**62-215:**

215.220(1)  
215.220(1)(a)-(c)  
215.220(2)  
215.220(3)(a)-(b)  
215.220(4)  
215.220(5)(a)-(d)  
215.230  
215.230(1)-(10)  
215.230(11)(a)-(d)  
215.230(12)  
215.230(12)(a)-(d)  
215.230(13)(a)-(b)  
215.230(14)  
215.230(14)(a)-(b)  
215.230(15)  
215.230(16)  
215.230(16)(a)  
215.230(16)(b)  
215.230(17)-(19)  
215.300(1)  
215.900(1)

213.300(2)(a)  
213.300(2)(a)1.-3.  
213.300(2)(b)  
213.300(2)(c)1.-2.  
213.300(2)(d)  
213.300(2)(e)1.-4.  
213.300(3)  
213.300(3)(a)-(j)  
213.300(3)(k)1.-4.  
213.300(3)(l)1.  
213.300(3)(l)2.-5.  
213.300(3)(m)1.-2.  
213.300(3)(n)1.  
213.300(3)(n)2.-3.  
213.300(3)(o)  
213.300(3)(p)1.  
213.300(3)(p)1. - last sentence  
213.300(3)(p)2.  
213.300(3)(q)-(s)  
213.300(1)(a)  
213.900(2)

**62-257:**

257.300  
257.301(1)-(5) and below  
257.350

257.301(1)  
257.301(2)-(6) and below  
204.800(8)(b)8.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-272:**

272.100	204.100(1)
272.200 - all definitions	204.200 - definitions merged in as needed
272.300(2) - except last sentence	204.220(1)
272.300(2) - last sentence	204.220(3)
272.300(3)(a)1.-3.	204.240(1)(a)-(c)
272.300(3)(b)1.-2.	204.240(2)(a)-(b)
272.300(3)(c)1.-2.	204.240(3)(a)-(b)
272.300(3)(d)1.	204.240(4)
272.300(3)(d)1.a.-c.	204.240(4)(a)-(c)
272.300(3)(e)1.	204.240(5)
272.300(3)(f)1.	204.240(6)
272.500	204.260
272.500(1)(a)-(b) and below	204.260(1)(a)-(b) and below
272.500(1)(c)1.	204.260(1)(c)
272.500(2)(a)-(b) and below	204.260(2)(a)-(b) and below
272.500(2)(c)1.	204.260(2)(c)
272.500(3)(a)-(b) and below	204.260(3)(a)-(b) and below
272.500(3)(c)1.	204.260(3)(c)

**62-275:**

275.100	204.100(2)
275.200 - all definitions	204.200 - definitions merged in as needed
275.300 and below	204.320 and below
275.400(1)-(5)	204.340(1)(a)-(e)
275.410(1)	204.340(2)(a) - amended to delete ozone areas
275.410(2)-(7)	204.340(2)(b)-(g)
275.420(1)	204.340(3)(a)
275.420(2)(a)-(d)	204.340(3)(b)1.-4.
275.420(3)	204.340(3)(c)
275.600(1)(a)	204.340(4)(a)1.
275.600(1)(b)	204.340(4)(a)2.-4. - amended to add ozone areas
275.600(3)(a)-(b)	204.340(4)(b)1.-2.
275.600(4)-(5)	204.340(4)(c)-(d)
275.700(1)-(3) and below	204.360(1)-(3) and below
275.800(1) and below	204.360(4) and below
275.800(2) and below	204.360(5) and below

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-296:**

296.200 - all definitions	210.200 - definitions merged in as needed
296.310	296.320(4)
296.310(1)	296.320(4)(a)
296.310(1)(a)1.-3.	296.320(4)(a)1.a.-c.
296.310(1)(b)	296.320(4)(a)2.
296.310(1)(c)	296.320(4)(a)3.
296.310(1)(c)1.a.-b.	296.320(4)(a)3.a.(i)-(ii)
296.310(1)(c)2.a.-b.	296.320(4)(a)3.b.(i)-(ii)
296.310(1)(c)3.	296.320(4)(a)3.c.
Table 296.310-1	Table 296.320-1
296.310(2)(a) - first sentence	296.320(4)(b)1.
296.310(2)(a) - remaining sentences	296.320(4)(b)2. - amended to clarify intent
296.310(2)(a)1.-3.	296.320(4)(b)2.a.-c.
296.310(2)(b)	296.320(4)(b)3.
296.310(2)(c)1.-2.	296.320(4)(b)4.a.-b.
296.310(3)(a)-(b)	296.320(4)(c)1.-2.
296.310(3)(c)1.-8.	296.320(4)(c)3.a.-h.
296.310(3)(d)	296.320(4)(c)4.
296.800(1)	204.800(7)(a)
296.800(2)(a)	204.800(7)(b)
296.800(2)(a)1.-68.	204.800(7)(b)1.-68.
296.800(2)(b)	204.800(7)(c)
296.800(3)	204.800(7)(d)
296.800(4)	204.800(7)(e)
296.800(4)(a)-(e)	204.800(7)(e)1.-5.
296.810(1)	204.800(8)(a)
296.810(2)(a)	204.800(8)(b)
296.810(2)(a)1.-7.	204.800(8)(b)1.-7.
296.810(2)(a)8.-14.	204.800(8)(b)9.-15.
296.810(2)(b)	204.800(8)(c)
296.810(3)	204.800(8)(d)
296.810(4)	204.800(8)(e)
296.810(4)(a)-(c)	204.800(8)(e)1.-3.
296.820(1)	204.800(9)(a)
296.820(2)(a)	204.800(9)(b)
296.820(2)(a)1.-5.	204.800(9)(b)1.-5.
296.820(2)(b)	204.800(9)(c)
296.820(3)	204.800(9)(d)
296.820(3)(a)-(d)	204.800(9)(d)1.-4.
296.820(4)	204.800(9)(e)
296.820(4)(a)-(b)	204.800(9)(e)1.-2.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-297:**

297.200 - all definitions	210.200 - definitions merged in as needed
297.310(4)	297.310(9)
297.330(1)	297.310(4)(a)
297.330(1)(a)-(b)	297.310(4)(a)1.-2.
297.330(1)(b)1.-3.	297.310(4)(a)2.a.-c.
297.330(2)-(5)	297.310(4)(b)-(e)
Table 297.330-1	Table 297.310-1
297.340(1)	297.310(7)(a)
297.340(1)(a)-(b)	297.310(7)(a)1.-2.
297.340(1)(c)	297.310(7)(a)3.
297.340(1)(c)1.-2.	297.310(7)(a)3.a.-b.
297.340(1)(d)	297.310(7)(a)4.
297.340(1)(d)1.	297.310(7)(a)4.a.
297.340(1)(d)2.a.-c.	297.310(7)(a)4.b. - lang. combined in one paragraph
297.340(1)(d)3.	297.310(7)(a)4.c.
297.340(1)(e)-(j)	297.310(7)(a)5.-10.
297.340(2)-(3)	297.310(7)(b)-(c)
297.345	297.310(6)
297.345(1)-(2)	297.310(6)(a)-(b)
297.345(3)(a)1.-5.	297.310(6)(c)1.-5.
297.345(3)(b)1.-4.	297.310(6)(d)1.-4.
297.345(3)(c)1.-2.	297.310(6)(e)1.-2.
297.345(3)(d)1.-2.	297.310(6)(f)1.-2.
297.345(3)(e)1.	297.310(6)(g)1.
297.345(3)(e)1.a.-c.	297.310(6)(g)1.a.-c.
297.345(3)(e)2.-3.	297.310(6)(g)2.-3.
297.350(1)-(2)	297.310(5)(a)-(b)
297.400(1)	297.401 - last two sentences
297.420(1)	297.401(9)(c)1.
297.420(2)(a)-(b)	297.401(9)(c)2.a.-b.
297.570(1)-(3)	297.310(8)(a)-(c)
297.570(3)(a)-(u)	297.310(8)(c)1.-21.

### Rules Fully Repealed, Not Moved

<b><u>Rule Repealed:</u></b>	<b><u>Comment:</u></b>
204.300	Definition of "SIP" expanded in 204.200
209.100-.800	Entire chapter 62-209 repealed; to be implemented by guidance
210.400(1)-(3) 210.500 last sentence 210.600 210.980	
213.220	Restates statute
215.100 215.200 215.240 215.300(2)-(6) 215.900(2)	Reproposed at 213.300(4) (FAW notice 3/8/96) Reproposed as part of Form 62-213.900(2) (FAW notice 3/8/96)
242.300	Definition of "Program Area" expanded in 242.200
243.700	Restates statute
244.100-.600	Entire chapter 62-244 repealed; to be implemented by guidance
252.800	Restates statute
257.401	Restates statute
272.300(1) 272.750(1) 272.750(2) Figure 272.750-1	Moved to document adopted by reference at 212.600(2)(c) Included in document adopted by reference at 212.600(2)(c)
273.200-.600	Entire chapter 62-273 repealed; considered obsolete
275.410(1)(a)-(c) 275.600(2)	Repealed in response to EPA approval of redesignations

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**Rule Repealed:**

**Comment:**

296.330  
296.400

Definition of "BACT" in 210.200 to be used in lieu of rule  
Language of "Purpose and Scope" at 296.100 expanded

Figure 297.345-1

Replaced by text at 297.345(3)(e)1.a.-c., effective 1/1/96; then  
moved to 297.310(6)(g)1.a.-c., effective 3/13/96)

297.400(2)

297.411

297.412

297.413

297.414

297.415

Figure 297.415-1

Figure 297.415-2

Figure 297.415-3

297.416

297.417

297.418

297.419

297.421

297.422

297.423

297.424

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# FLORIDA COUNTY LISTING WITH ASSOCIATED FEE REVIEW CONTACT

Northeast & Northwest Districts: Jonathan Holtom / Ed Svec  
 South & Southwest Districts: Charles Logan / Lennon Anderson  
 Central & Southeast Districts: Tom Cascio / Steve Welsh  
 General Fee Questions - All Districts: Bruce Mitchell  
 Contact at: (904) 488-1344

Florida County Code	County Name	FIPS County Code	Contact Engineer
1	Alachua	001	Holtom / Svec
2	Baker	003	Holtom / Svec
3	Bay	005	Holtom / Svec
4	Bradford	007	Holtom / Svec
5	Brevard	009	Cascio / Welsh
6	Broward	011	Cascio / Welsh
7	Calhoun	013	Holtom / Svec
8	Charlotte	015	Logan / Anderson
9	Citrus	017	Logan / Anderson
10	Clay	019	Holtom / Svec
11	Collier	021	Logan / Anderson
12	Columbia	023	Holtom / Svec
13	Dade	025	Cascio / Welsh
14	DeSoto	027	Logan / Anderson
15	Dixie	029	Holtom / Svec
16	Duval	031	Holtom / Svec
17	Escambia	033	Holtom / Svec
18	Flagler	035	Holtom / Svec
19	Franklin	037	Holtom / Svec
20	Gadsden	039	Holtom / Svec
21	Gilchrist	041	Holtom / Svec
22	Glades	043	Logan / Anderson
23	Gulf	045	Holtom / Svec
24	Hamilton	047	Holtom / Svec
25	Hardee	049	Logan / Anderson
26	Hendry	051	Logan / Anderson
27	Hernando	053	Logan / Anderson
28	Highlands	055	Logan / Anderson
29	Hillsborough	057	Logan / Anderson
30	Holmes	059	Holtom / Svec
31	Indian River	061	Logan / Anderson
32	Jackson	063	Holtom / Svec
33	Jefferson	065	Holtom / Svec
34	LaFayette	067	Holtom / Svec

Florida County Code	County Name	FIPS County Code	Contact Engineer
35	Lake	069	Cascio / Welsh
36	Lee	071	Logan / Anderson
37	Leon	073	Holtom / Svec
38	Levy	075	Holtom / Svec
39	Liberty	077	Holtom / Svec
40	Madison	079	Holtom / Svec
41	Manatee	081	Logan / Anderson
42	Marion	083	Cascio / Welsh
43	Martin	085	Cascio / Welsh
44	Monroe	087	Logan / Anderson
45	Nassau	089	Holtom / Svec
46	Okaloosa	091	Holtom / Svec
47	Okeechobee	093	Cascio / Welsh
48	Orange	095	Cascio / Welsh
49	Osceola	097	Cascio / Welsh
50	Palm Beach	099	Cascio / Welsh
51	Pasco	101	Logan / Anderson
52	Pinellas	103	Logan / Anderson
53	Polk	105	Logan / Anderson
54	Putnam	107	Holtom / Svec
55	Saint Johns	109	Holtom / Svec
56	Saint Lucie	111	Cascio / Welsh
57	Santa Rose	113	Holtom / Svec
58	Sarasota	115	Logan / Anderson
59	Seminole	117	Cascio / Welsh
60	Sumter	119	Logan / Anderson
61	Suwannee	121	Holtom / Svec
62	Taylor	123	Holtom / Svec
63	Union	125	Holtom / Svec
64	Volusia	127	Cascio / Welsh
65	Wakulla	129	Holtom / Svec
66	Walton	131	Holtom / Svec
67	Washington	133	Holtom / Svec

**GULF POWER - SMITH FACILITY  
EPA APPLICABLE REQUIREMENTS LIST**

EPA Rule	EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
<p>*This list includes only those applicable requirements typically associated with an electric power plant. For example, NSPS Subpart O for sewage treatment plants has not been included. If rules other than those listed herein apply to your source, they should be included in your source's application even if they are not listed below.  <sup>b</sup>Please refer to HGSS's June 6, 1995 memorandum explaining how this list was developed and how applicable requirements should be addressed in an application.</p>						
<b>Part 61 - EPA Regulations on National Emission Standards for Hazardous Air Pollutants</b>						
Subpart A - General Provisions						
61.05	Prohibited Activities.	0050014	✓			Facility
61.09	Notification of Startup.	0050014		×		Facility
61.10	Source Reporting and Request for Waiver of Compliance.	0050014		×		Facility
61.11	Waiver of Compliance.	0050014		×		Facility
61.12 (b)	Compliance with Standards and Maintenance Requirements.	0050014	✓			Facility
61.13	Emission Tests and Waiver of Emission Tests.	0050014		×		Facility
61.14	Monitoring Requirements.	0050014		×		Facility
61.19	Circumvention.	0050014		×		Facility
Subpart M — National Emission Standards for Asbestos		0050014	✓			Facility
Appendix C to Part 61 — Quality Assurance Procedures		0050014	✓			Facility
<b>EPA Part 82 - Protection Of Stratospheric Ozone</b>						
Subpart B - Servicing of Motor Vehicle Air Conditioners						
82.34	Prohibitions.	0050014		×		Facility
82.36	Approved refrigerant recycling equipment.	0050014		×		Facility
82.38	Approved independent standards testing organizations.	0050014		×		Facility
82.40	Technician training and certification.	0050014		×		Facility
82.42	Certification, recordkeeping and public notification requirements.	0050014		×		Facility



<b>GULF POWER - SMITH FACILITY EPA APPLICABLE REQUIREMENTS LIST</b>		(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
EPA Rule	EPA Title		Yes	No/NA		
Subpart F - Recycling and Emissions Reduction						
82.154	Prohibitions.	0050014		×		Facility
82.156	Required practice.	0050014		×		Facility
82.158	Standards for recycling and recovery equipment.	0050014		×		Facility
82.160	Approved equipment testing organizations.	0050014		×		Facility
82.161	Technician certification.	0050014		×		Facility
82.162	Certification by owners of recovery and recycling equipment.	0050014		×		Facility
82.164	Reclaimer certification.	0050014		×		Facility
82.166(k)(m)	Reporting and recordkeeping requirements for owners/operators.	0050014		×	Facility has no units >50 lbs.	Facility
40 CFR 279.72	Used Oil Regulations	0050014	✓		Facility burns on-spec used oil.	Facility

<b>GULF POWER - SMITH FACILITY FDEP APPLICABLE REQUIREMENTS LIST</b>		Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
FDEP Rule	FDEP Title		Yes	No/NA		
<p><b>*This list includes only those applicable requirements typically associated with an electric power plant. For example, NSPS Subpart O for sewage treatment plants has not been included. If rules other than those listed herein apply to your source, they should be included in your source's application even if they are not listed below.</b></p> <p><b><sup>b</sup>Please refer to HGSS's June 6, 1995 memorandum explaining how this list was developed and how applicable requirements should be addressed in an application.</b></p>						
<b>Chapter 62-4 Permits</b>						
62-4.030	General Prohibition.	0050014	✓		State Only	Facility
62-4.040 (1)	Exemptions.	0050014	✓		State Only	Facility
62-4.100	Suspension and Revocation.	0050014	✓		State Only	Facility
62-4.130	Plant Operation - Problems.	0050014	✓		State Only	Facility
<b>Chapter 62-204 State Implementation Plan</b>						
62-204.800 (11)	Adoption of 40 CFR 70, Federal Title V Rule	0050014	✓		State only.	Facility
62-204.800 (19)	Adoption of 40 CFR 82, Stratospheric Ozone	0050014		×	State only.	Facility
<b>Chapter 62-210 Stationary Sources - General Requirements</b>						
62-210.300	Permits Required.					
	(2) Air Operation Permits. (Except (b))	0050014	✓			Facility
	(3)(a) Exemptions - #1-29.	0050014	✓			Facility
	(3)(b) Temporary Exemptions.	0050014	✓			Facility
62-210.300	(5) Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Department in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.	0050014	✓		May apply in the future.	Facility
	(a) The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.	0050014	✓		May apply in the future.	Facility

<b>GULF POWER - SMITH FACILITY FDEP APPLICABLE REQUIREMENTS LIST</b>		<b>Facility Emission Unit Identification Number(s)</b>	<b>Applicable Requirement</b>		<b>Comments/Discussion</b>	<b>Unit/Facility Potential Applicability</b>
<b>FDEP Rule</b>	<b>FDEP Title</b>		<b>Yes</b>	<b>No/NA</b>		
	(b) If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Department as soon as possible after the date of such startup is ascertained.	0050014	✓		May apply in the future.	Facility
62-210.370	Reports.					
	(3) Annual Operating Report for Air Pollutant Emitting Facility.	0050014	✓			Facility
62-210.900	Forms and Instructions.	0050014	✓			Facility
	(5) Annual Operating Reports	0050014	✓			Facility
<b>Chapter 62-213 Operation Permits for Major Sources of Air Pollution</b>						
62-213.205	Annual Emissions Fee.	0050014	✓			Facility
62-213.400	Permits and Permit Revisions Required.	0050014	✓			Facility
62-213.410	Changes Without Permit Revision.	0050014	✓			Facility
62-213.415	Trading of Emissions Within a Source.	0050014	✓		May apply in the future.	Facility
62-213.460	Permit Shield.	0050014	✓			Facility
<b>Chapter 62-252 Gasoline Vapor Control</b>						
62-252.300	Gasoline Dispensing Facilities - Stage I Vapor Recovery.					
	(2) Prohibition.	0050014		✗		Facility
	(3) Control Technology Requirements.	0050014		✗		Facility
	(4) Compliance Schedule.	0050014		✗	State Only	Facility
62-252.400	Gasoline Dispensing Facilities - Stage II Vapor Recovery.					
	(2) Prohibition.	0050014		✗	State Only	Facility
	(3) Control Technology Requirements.	0050014		✗	State Only	Facility
	(4) Compliance Schedules.	0050014		✗	State Only	Facility
	(5) Testing.	0050014		✗	State Only	Facility

<b>GULF POWER - SMITH FACILITY FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(6) Recordkeeping.	0050014		×	State Only	Facility
	(7) System Maintenance.	0050014		×	State Only	Facility
62-252.400	(8) Training.	0050014		×	State Only	Facility
62-252.500	Gasoline Tanker Trucks.					
	(2) Prohibitions.	0050014		×	State Only	Facility
	(3) Leak Testing.	0050014		×	State Only	Facility
<b>Chapter 62-256 Open Burning and Frost Protection Fires</b>						
62-256.300	Prohibitions.	0050014	✓		State Only	Facility
62-256.450	Burning for Cold or Frost Protection.	0050014		×	State Only	Facility
62-256.500	Land Clearing.	0050014	✓		State Only	Facility
62-256.600	Industrial, Commercial, Municipal, and Research Open Burning.	0050014	✓		State Only	Facility
62-256.700	Open Burning Allowed.	0050014	✓		State Only	Facility
<b>Chapter 62-257 Asbestos Removal</b>						
62-257.301	Notification Procedure and Fee.	0050014	✓		State Only	Facility
62-257.400	Fee Schedule.	0050014	✓		State Only	Facility
62-257.900	Form.	0050014	✓		State Only	Facility
<b>Chapter 62-281 Motor Vehicle Air Conditioning Refrigerant Recovery and Recycling.</b>						
62-281.300	Applicability.	0050014		×	State Only	Facility
62-281.400	Compliance Requirements.	0050014		×	State Only	Facility
62-281.500	Establishment Certification.					
	(1) Initial Certification.	0050014		×	State Only	Facility
	(2) Renewal Certification.	0050014		×	State Only	Facility
	(3) Fees.	0050014		×	State Only	Facility

<b>GULF POWER - SMITH FACILITY FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(4) Certificate of Compliance.	0050014		×	State Only	Facility
62-281.600	Training Requirements.	0050014		×	State Only	Facility
62-281.700	Equipment Certification.	0050014		×	State Only	Facility
62-281.900	Forms.	0050014		×	State Only	Facility
<b>Chapter 62-296 Stationary Sources -- Emission Standards</b>						
62-296.320	General Pollutant Emission Limiting Standards.					
	(1) Volatile organic compounds emissions or organic solvents emissions.	0050014		×		Facility
	(2) Objectionable Odor Prohibited.	0050014	✓			Facility
	(3) Open Burning.	0050014	✓		State Only	Facility
	(4)(b) General Visible Emissions Standard.	0050014	✓			Facility
	(4)(c) Unconfined Emissions of Particulate Matter.	0050014	✓			Facility

## C. FACILITY POLLUTANTS

### Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
SO2	A
PM	A
NOX	A
PM10	A
VOC	A
CO	A
SAM	A
HCL	A
H107	A
HAPS	A

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 1

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

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 2

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



**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 3

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

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 4

1. Pollutant Emitted :	PM10	
2. Requested Emissions Cap :	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code :		
4. Facility Pollutant Comment :		

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 5

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

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 6

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

II. Part 4b - 6

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 7

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

II. Part 4b - 7

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 8

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

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 9

1. Pollutant Emitted :	H107	
2. Requested Emissions Cap :	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code :		
4. Facility Pollutant Comment :		

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 10

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



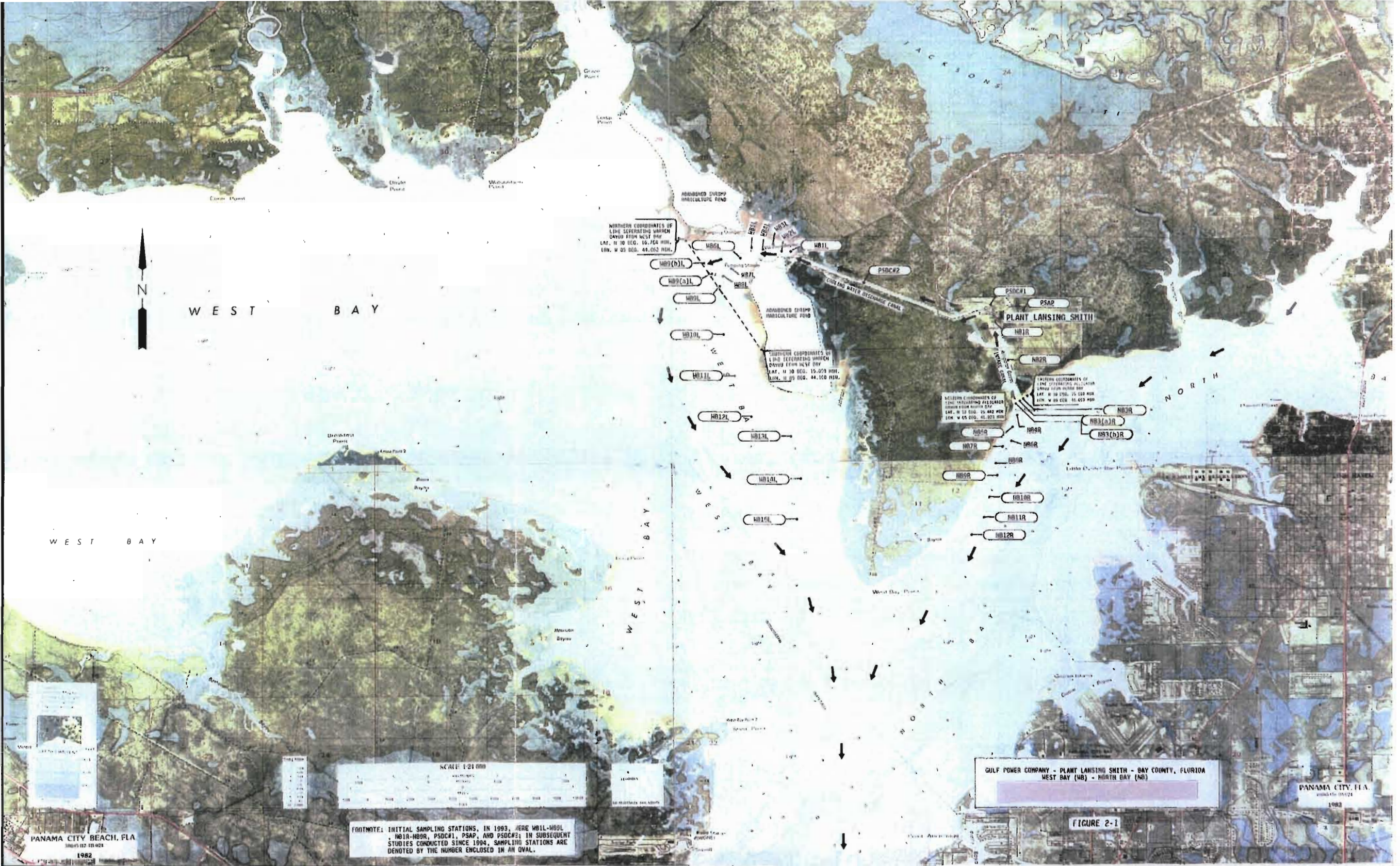
## D. FACILITY SUPPLEMENTAL INFORMATION

### Supplemental Requirements for All Applications

1. Area Map Showing Facility Location :	FS1
2. Facility Plot Plan :	FS2
3. Process Flow Diagram(s) :	FS3
4. Precautions to Prevent Emissions of Unconfined Particulate Matter :	FS4
5. Fugitive Emissions Identification :	NA
6. Supplemental Information for Construction Permit Application :	NA

### Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt Activities :	FS7
8. List of Equipment/Activities Regulated under Title VI :	NA
9. Alternative Methods of Operation :	NA
10. Alternative Modes of Operation (Emissions Trading) :	NA
11. Identification of Additional Applicable Requirements :	NA
12. Compliance Assurance Monitoring Plan :	NA
13. Risk Management Plan Verification :	Plan Submit
14. Compliance Report and Plan :	FS14
15. Compliance Certification (Hard-copy Required) :	FS15



NORTHERN COORDINATES OF LINE SEPARATING WEST BAY FROM WEST BAY  
 LAT. 11 30 DEG. 10.754 MIN.  
 LONG. W 05 DEG. 44.062 MIN.

SOUTHERN COORDINATES OF LINE SEPARATING NORTH BAY FROM WEST BAY  
 LAT. 11 30 DEG. 15.059 MIN.  
 LONG. W 05 DEG. 44.100 MIN.

NORTHERN COORDINATES OF LINE SEPARATING NORTH BAY FROM WEST BAY  
 LAT. 11 30 DEG. 15.059 MIN.  
 LONG. W 05 DEG. 44.100 MIN.

NORTHERN COORDINATES OF LINE SEPARATING NORTH BAY FROM WEST BAY  
 LAT. 11 30 DEG. 15.059 MIN.  
 LONG. W 05 DEG. 44.100 MIN.

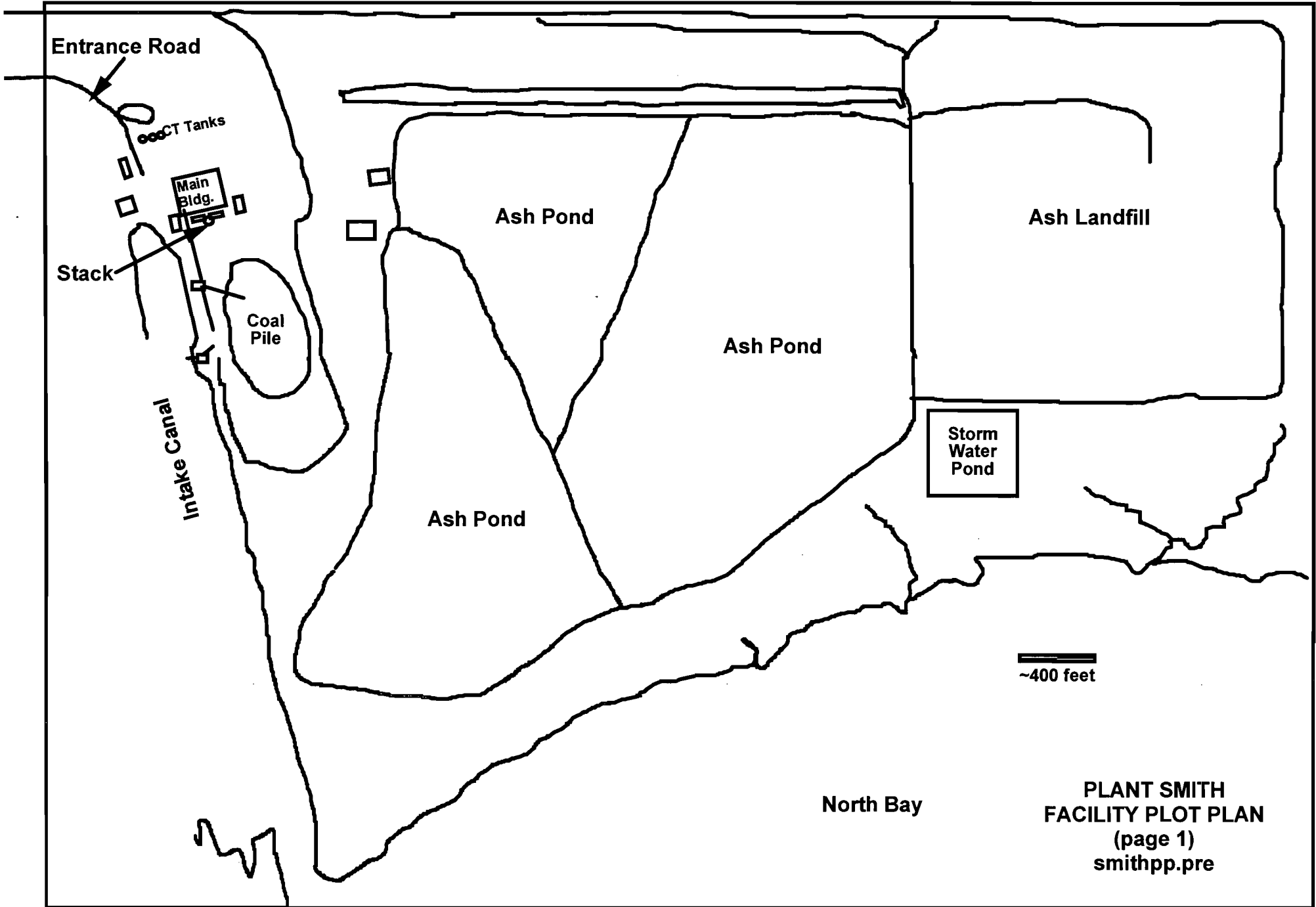


FOOTNOTE: INITIAL SAMPLING STATIONS, IN 1993, WERE WB11-WB01, NB1R-NB0R, PSDC#1, PSAP, AND PSDC#2; IN SUBSEQUENT STUDIES CONDUCTED SINCE 1994, SAMPLING STATIONS ARE DENOTED BY THE NUMBER ENCLOSED IN AN OVAL.

PANAMA CITY BEACH, FLA.  
 1982

PANAMA CITY, FLA.  
 1982

Figure 2-1  
 GULF POWER COMPANY  
 PLANT LANSING SMITH  
 BAY COUNTY, FLORIDA



Entrance Road

CT Tanks

Main Bldg.

Stack

Coal Pile

Intake Canal

Ash Pond

Ash Pond

Ash Pond

Ash Landfill

Storm Water Pond

~400 feet

North Bay

PLANT SMITH  
FACILITY PLOT PLAN  
(page 1)  
smithpp.pre

○○○ CT Tanks

Combustion  
Turbine  
Emission Unit  
#3

Administration  
Building

Unit 1  
Unit 2

Unit 1  
Hot  
ESP

Unit 2  
Hot  
ESP

Cold ESP's

Unit 1&2  
Stack

**Notes:**

**ESP - Electrostatic Precipitators  
(Control Equipment)**

**Not completely shown on this plan:  
Emission Unit #4 - Material Handling  
of Coal and Ash and Roads  
(Fugitives)**

**Emission Unit #5 - Miscellaneous  
Emission Units (Tanks,  
Sandblasting, Cooling Towers,  
Trivial, Exempt, Presumptively  
Exempt, and Non-regulated)**

Crusher  
House

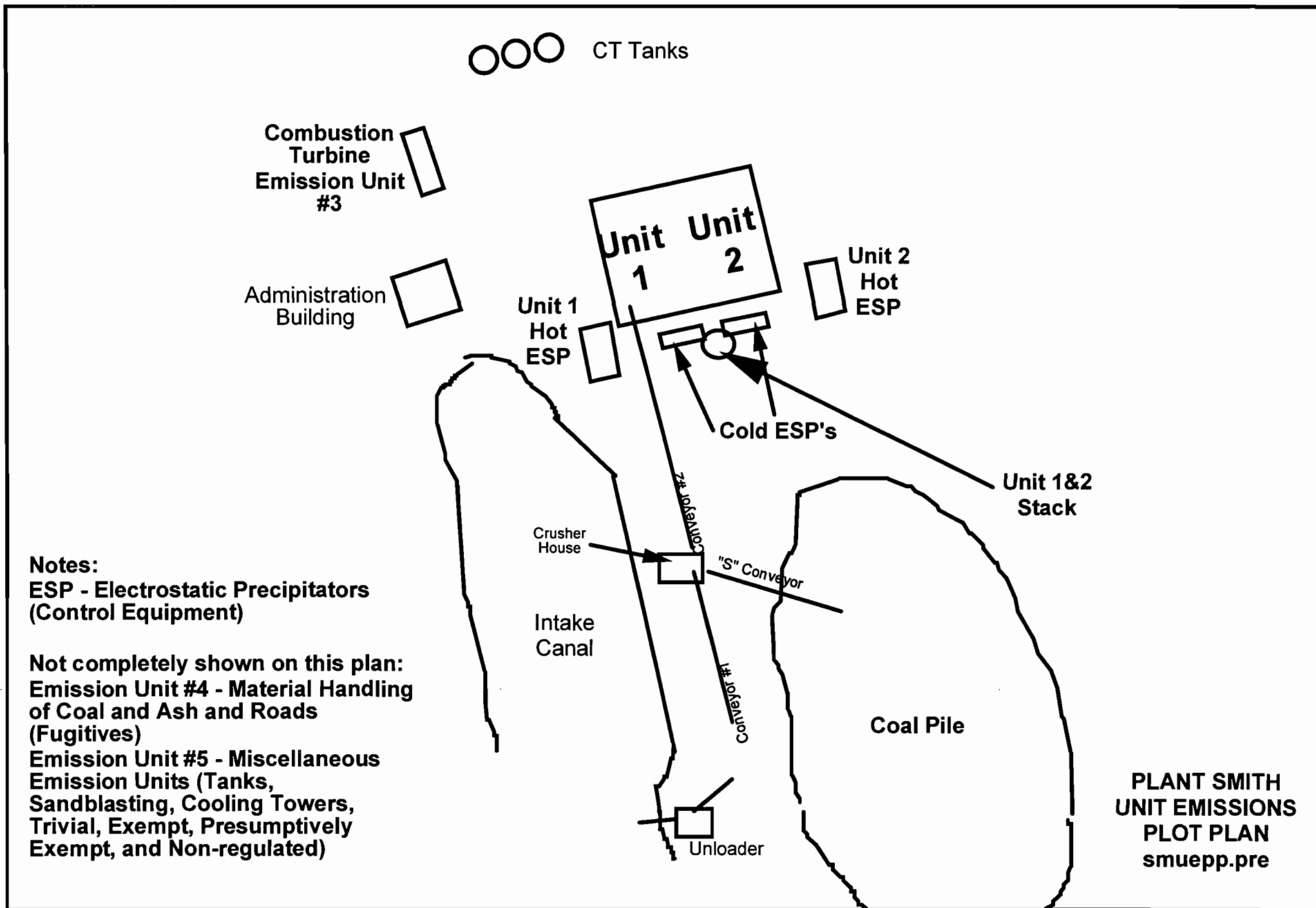
Intake  
Canal

"S" Conveyor

Coal Pile

Unloader

**PLANT SMITH  
UNIT EMISSIONS  
PLOT PLAN  
smuepp.pre**





1055

6999-37

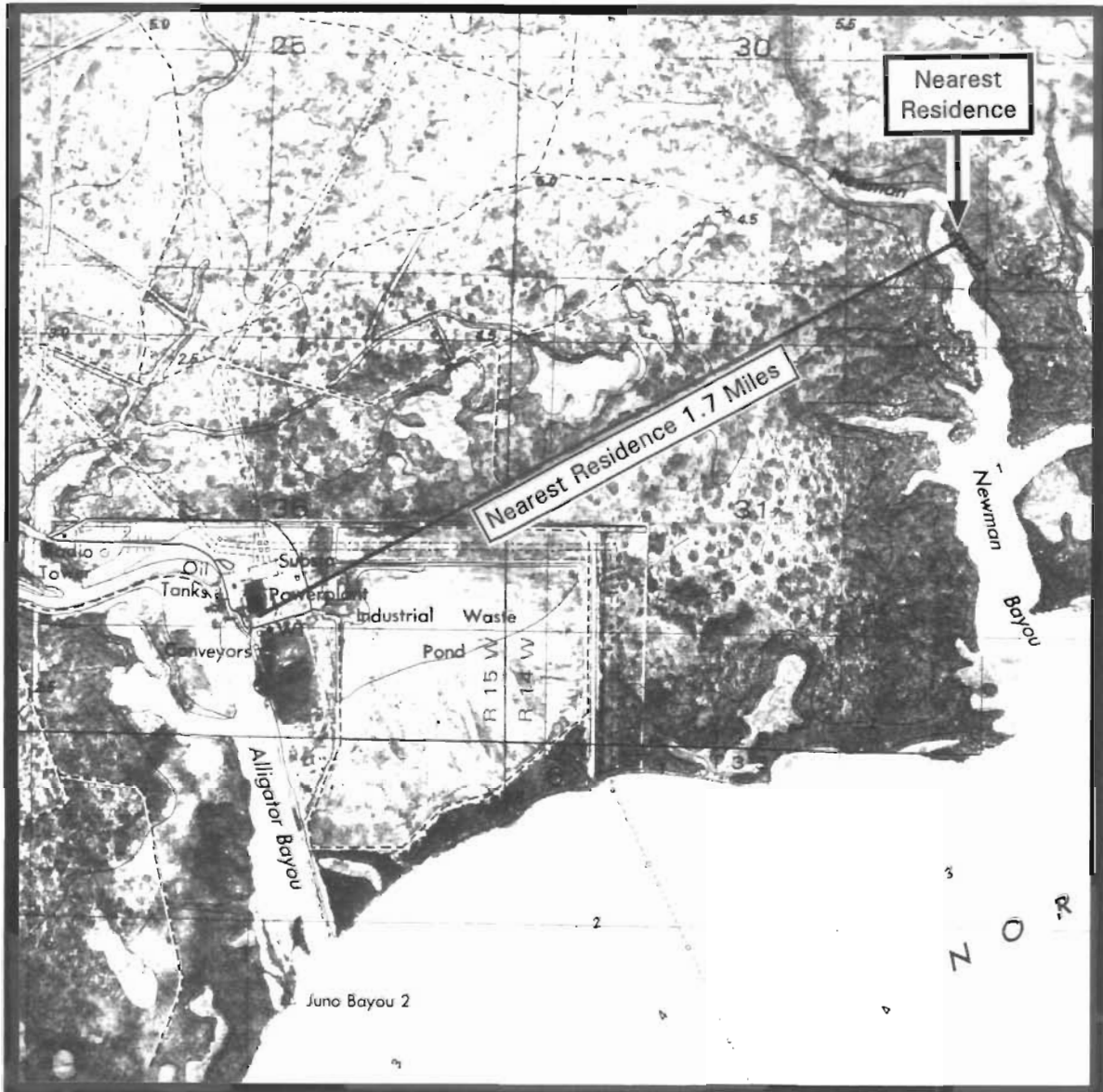
40

1-19-94

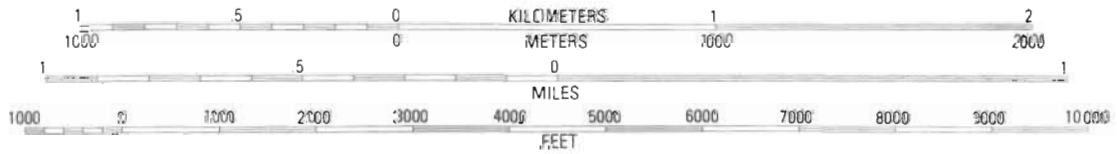
WILD 15/4 UAG  
No 13081 152.99

6083

# Gulf Power Plant Smith Nearest Residence



SCALE 1:24 000



Notes: Distance determined from 1994 NASA aerial photography scale 1" = 833'  
Copy above is of Southport, Florida USGS Quadrangle copied without reduction.



FLORIDA

QUADRANGLE LOCATION

**SOUTHPORT, FLA.**

30085-C6-TB-024

**1982**

MINOR REVISION 1992

DMA 38144 I SW-SERIES V13470

# Gulf Power Plant Smith Nearest Residence



Notes: Determined from 1994 NASA aerial photography scale 1" = 833'  
Copy Reduced 65%

9601005

1"=400'

1-10-86

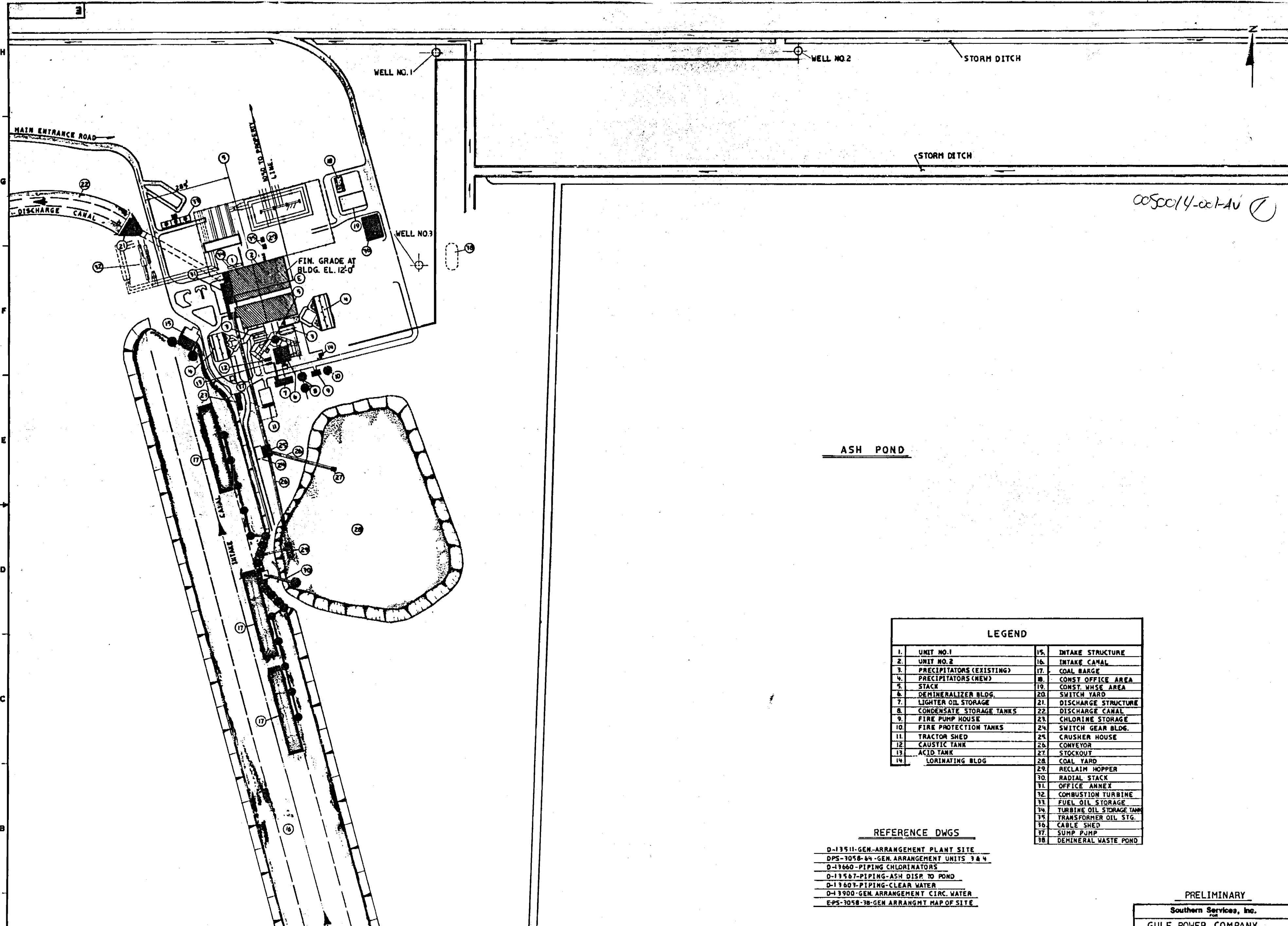
SMITH

10:50AM

1







**LEGEND**

1. UNIT NO. 1	15. INTAKE STRUCTURE
2. UNIT NO. 2	16. INTAKE CANAL
3. PRECIPITATORS (EXISTING)	17. COAL BARGE
4. PRECIPITATORS (NEW)	18. CONST OFFICE AREA
5. STACK	19. CONST WHSE AREA
6. DEMINERALIZER BLDG.	20. SWITCH YARD
7. LIGHTER OIL STORAGE	21. DISCHARGE STRUCTURE
8. CONDENSATE STORAGE TANKS	22. DISCHARGE CANAL
9. FIRE PUMP HOUSE	23. CHLORINE STORAGE
10. FIRE PROTECTION TANKS	24. SWITCH GEAR BLDG.
11. TRACTOR SHED	25. CRUSHER HOUSE
12. CAUSTIC TANK	26. CONVEYOR
13. ACID TANK	27. STOCKYOUT
14. LORINATING BLDG	28. COAL YARD
	29. RECLAIM HOPPER
	30. RADIAL STACK
	31. OFFICE ANNEX
	32. COMBUSTION TURBINE
	33. FUEL OIL STORAGE
	34. TURBINE OIL STORAGE TANK
	35. TRANSFORMER OIL STG.
	36. CABLE SHED
	37. SUMP PUMP
	38. DEMINERAL WASTE POND

**REFERENCE DWGS**

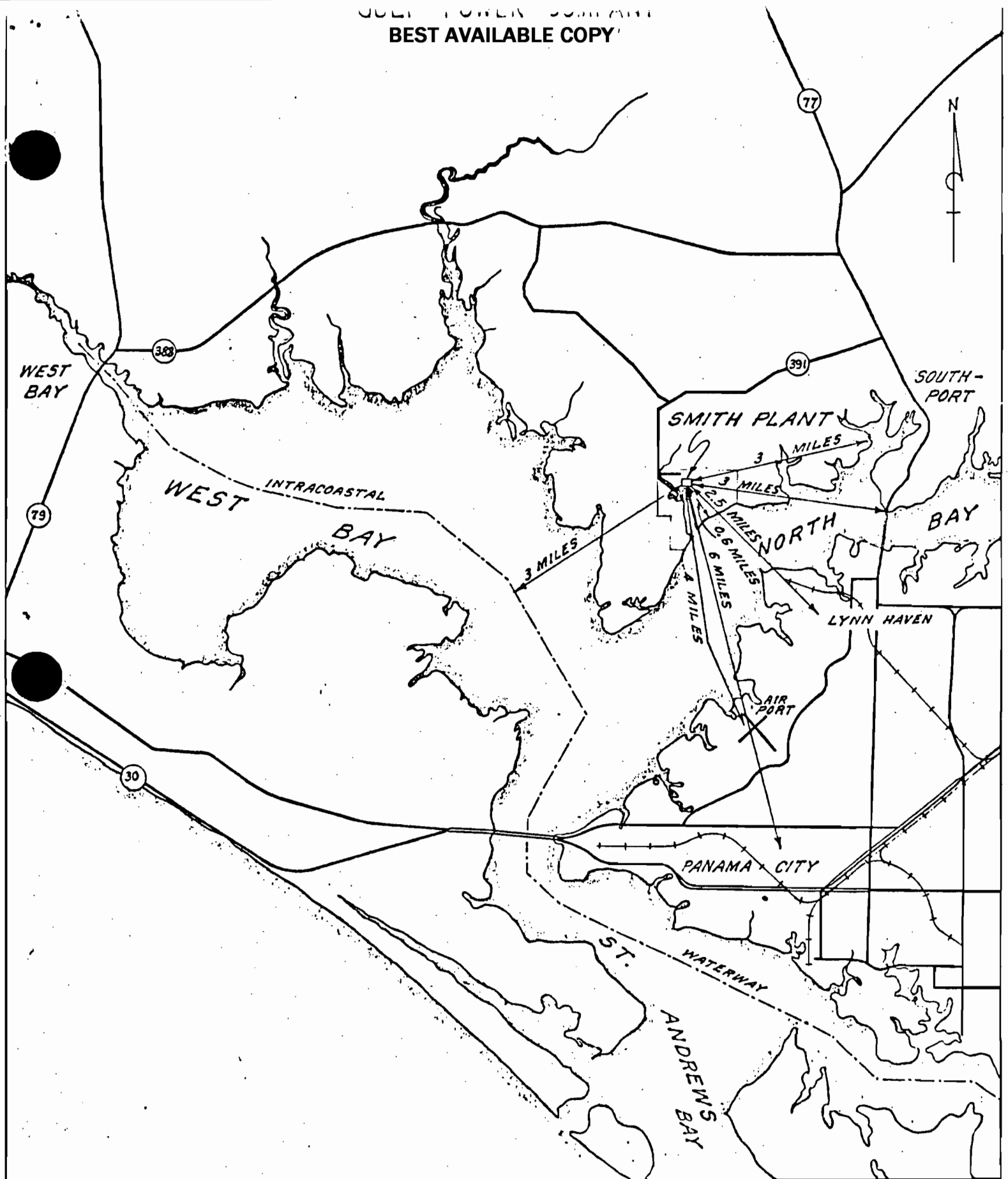
D-13511-GEN-ARRANGEMENT PLANT SITE  
 DPS-3058-64-GEN-ARRANGEMENT UNITS 3 & 4  
 D-13660-PIPING-CHLORINATORS  
 D-13567-PIPING-ASH DISP TO POND  
 D-13603-PIPING-CLEAR WATER  
 D-13900-GEN-ARRANGEMENT CIRC WATER  
 EPS-3058-78-GEN ARRANGMT MAP OF SITE

**PRELIMINARY**

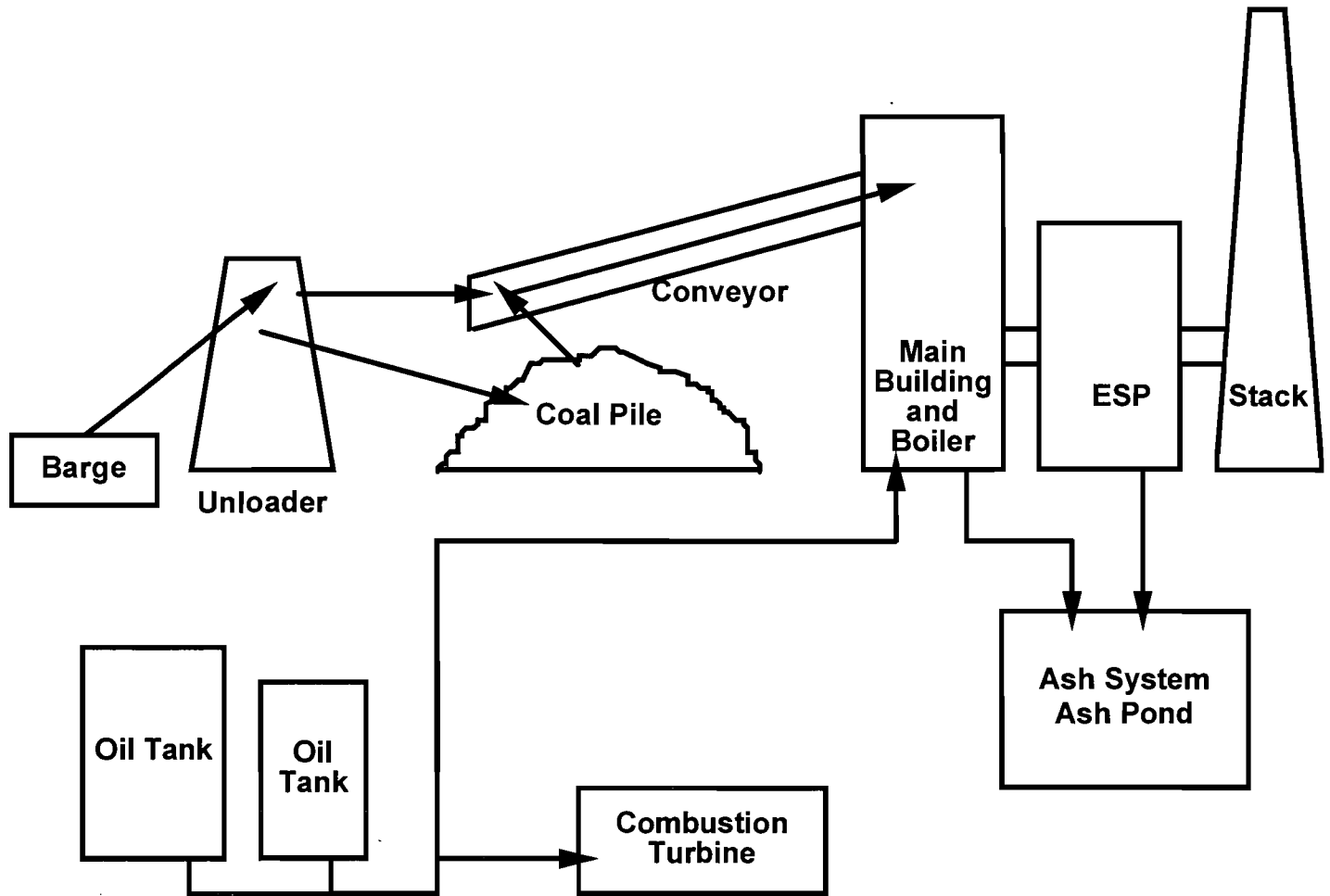
Southern Services, Inc.  
**GULF POWER COMPANY**  
 LANSING SMITH STEAM PLANT  
 GEN. ARRANGEMENT  
 PLANT SITE YARD

REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE

SCALE 1/4"=1'-0"  
 DRAWING NUMBER EPS-3058  
 SHEET 39  
 RETURN TO DEPT. 140



TR. <i>Kud</i>	SUBJECT <i>SMITH UNITS 1 &amp; 2 AIR POLLUTION PERMIT APPLICATION</i>
	DETAIL <i>SITE LOCATION AND SURROUNDING AREA</i>
DATE <i>8-12-70</i>	SCALE <i>1/2" = 1 MILE</i> SH _____ OF _____ SHEETS <i>A-3482</i>



**PLANT SMITH FACILITY  
PROCESS FLOW  
smfpf.pre**

**PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED  
PARTICULATE MATTER**

**1) AS SECTIONS OF THE ASH LANDFILL REACH THEIR CAPACITY THESE SECTIONS WILL BE GRASSED OVER TO PREVENT ANY PARTICULATE MATTER BEING LIFTED INTO THE WIND.**

**2) THE COAL PILE IS PACKED REGULARLY TO HELP IN THE PREVENTION OF COAL PILE FIRES AND LIMIT THE AMOUNT OF COAL DUST THAT MIGHT GET BLOWN OFF THE PILE IF IT WERE NOT PACKED.**

**3) A DUST SUPPRESSANT WILL BE APPLIED TO THE COAL ON THE CONVEYOR BELTS AS NECESSARY TO CONTROL DUST.**

ATTACHMENT SMITH.DOC  
TRIVIAL AND EXEMPT ACTIVITIES SUMMARY  
LANSING SMITH PLANT

Smith Plant			
Equipment/System	Source	Frequency of Operation	Justification
Administration Building	Kitchen Vent	Continuous	Trivial
	Bathroom Vent (1)	Continuous	
	HVAC Roof Units (5)	Continuous	
	Office Supplies	Continuous	
	Office Equipment		
	Barbeque Grill	Occasional	
Control Room	Bathroom Vents (4)	Continuous	Trivial
	Kitchen Vents (2)		
	Office Supplies		
	Office Equipment		
Old Office Area	Bathroom Vents	Continuous	Trivial
	Office Supplies		
	Office Equipment		
	Kitchen Vent		
Internal Combustion Engines Which Drive Compressors, Generators, Water Pumps, Welders, Sweepers or Other Auxiliary Equipment	Natural Gas Propane Gasoline or Diesel Fuel Combustion Products	Maintenance	Trivial
Fire Pump House	Diesel Fire Pump Engine Exhaust (3)	Continuous During Operation of Diesel Engine	Exempted by Rules 62-210.300(3)(U)(T)
	Gasoline Fire Pump (1)	Not Used	
	Diesel Fuel Tanks Vents (Small)(2)	Continuous	
	Vents From Pump House (8)	Continuous	
	Vents to Atmosphere	Continuous	
Demineralizer Building	Roof Ridge Vent	Continuous	Trivial
	Vacuum Pumps (for Dearator) Exhaust (2)	Continuous	Exempted by FDEP Rule 62-210.300(9)
	Wall Ventilator	Continuous	Trivial
Laboratory	Hood Vent	Continuous	Trivial
	Sink Vent (4)	Continuous	

Maintenance Area	Welding Area Exhaust Vents (7)	Continuous	Trivial
	Vent Fans (2)	Continuous	
	Locker Room Vents (2)	Continuous	
	Bathroom Vents	Continuous	
	Parts Washer Low Odor Parriffin (1)	Continuous	
	Refrigerator	Maintenance	
	Small Enclosed Sand Blaster	Maintenance	
	Small Cleaning Vat with Lid	Maintenance	
	Wall Vents	Continuous	
Warehouse #1	Ridge Vent (1)	Continuous	Trivial
	Side Ducts (16)	Continuous	
	Power Ventilators (8)	Continuous	
	Refrigerator (1)	Maintenance	
	Bathroom Vents (2)	Continuous	
Warehouse #3	Ridge Vent (6)	Continuous	Trivial
	Side Blowers (2)	Continuous	
	Side Vent (1)	Continuous	
Air Compressor Room	Roof Vents	Continuous	Trivial
	Atlas Copco Air (1) compressor (oil free)	Continuous	
	Gardner Denver Air Compressor (1)	Continuous	
	Joy Air Compressors (3)		
	Air Compressor Receiver Tanks with 5 Relief Valves and 5 Vents		
	Ingersoll-Rand Air Dryers with R-22 9 lbs. ea.	Continuous	
H2 House	Hydrogen Vents (2)	Maintenance	H2 and C02 Non-Regulated
	C02 Vents (1)	Maintenance	
	Ventilation	Maintenance	
	Regulators (2)	Maintenance	
Battery Room	Open Battery Banks (2)	Continuous	Trivial
C. T. Building	Battery Bank 60 cells	Continuous	Trivial
	Battery Room Vent	Continuous	
	A/C Window Units (3)	Continuous	
Air Compressor Room	Air Compressors with Receiver Tanks (2)	Continuous	Trivial
	Vent	Continuous	
Combustine Turbine	Vent On C. T. Control Hangar	Continuous	Trivial

Generator Room	Side Vent	Continuous	Trivial
Main Stream Pressure Relief Valve Steam From Boiler Operations	Valves	Safety Continuous Maintenance	Trivial
Indoor Fugitives	Vacuum Cleaning	Maintenance	Trivial
	Solvent Storage		
	Office Supplies Equipment		
HVAC Heating, Ventilating and Air Conditioning	Cooling Heating	Continuous	Trivial
Use of Nitrogen Cap During Boiler Shut Down	Nitrogen	Maintenance	Exempt Not A Criteria or Regulated Substance
Air Sources Listed in 62-210.300 (3)			Exempted By Rule 62-213.400 and 62-200.300 (3)
Grounds	Plant Grounds Maintenance	Maintenance	Trivial
Routine Maintenance Upper Activities	Cleaning, Painting, Welding, coating applications, non-asbestos insulation removal, hand held tools / equipment; meter repair/ maintenance-on-line/off-line, cleaning of equipment	Maintenance	Trivial
Indoor sand blasting and abrasive grit blasting when temporary total enclosures are used to contain particulates.	Shop Sand Blasting Equipment With Filters and Other Totally Enclosed Areas	Maintenance	Trivial
Vent/Exhaust Systems For: Print Room Storage Cabinets Transformer Vaults Building, Maintenance/welding building, Operating Equipment Vents, Degasification, Dearators, Decarbonators, Air Blowers, Evacuators Air Locks, Feedwater heater vents	Steam Condensate Air Vents & Exhaust Systems	Continuous Maintenance	Trivial

Vents and Stacks For Sewer Lines or Enclosed Areas Required For Safety or by Code	Sewer Gases	Continuous	Exempt
	Office Ventilation		
Electrically Heated Equipment Used For Heat Tracing, Treating, Drying, Soaking, Case Hardening or Surface Conditioning	Electric Heaters, Heat Tape or Devices That Use Electricity As The Heat Source	Continuous	Trivial
Lawn Maintenance Equipment and Activities	Engine Emissions Fertilizers, Application of Fungicide, herbicide, pesticide	Maintenance	Trivial
Nuclear Gauges used for the purpose of process Monitoring		Continuous	Trivial
<b>Smith Plant Unit 1</b>			
Equipment/System	Source	Frequency of Operation	Justification
Steam Stream Generator Main Reheat Steam	Blow Down (1)	Continuous	Trivial
	Main Steam Vent (1)	Maintenance	
	Superheat Link Vents (2)	Maintenance	
	Economizer Link Vents (2)	Maintenance	
	Drum Vents (2)		
	Drum Relief Valves (2)	Safety	
	Superheater Relief Valves (1)	Safety	
	Hot Reheat Relief Valves (3)	Safety	
	Cold Reheat Relief Valves (1)	Safety	
	Constant Pressure Relief Valve (1)	Safety	
	Sootblower Header Relief Valve	Safety	
	Gland Seal Steam Header Relief Valve	Safety	
	Cold Reheat Vent (1)	Maintenance	
	Hot Reheat Vent (1)	Maintenance	



Steam Stream Generator Main Reheat Steam (cont'd)	Superheat Power Pop (Disconnected) (1)	Safety	Trivial		
	Sootblower Tie Vents (2)	Maintenance			
	Superheater Lead Vent (1)				
	Sootblowers Packing Leaks				
Condensate and Feedwater System	Dearator Relief Valve (1)	Safety	Trivial		
	Dearator Vent (4)	Continuous			
	Dearator Dump Tank (1)	Safety			
	H. P. Heater Vent at Dearator	Maintenance			
	H. P. Feedwater Heater Steam Side Relief Valve				
	H. P. Feedwater Heater Steam Side Vents (2)	Maintenance			
	Gland Seal Steam Vapor Extractor	Continuous			
	Condensate Tanks	Continuous			
	L. P. Feedwater Heater Water side Relief Valve (2)	Safety			
	L. P. Feedwater Heater Water Side Vent	Maintenance			
	Minimum Flow Line Vents at Dearator (2)	Maintenance			
	Economizer Feedwater inlet Vent (1)	Maintenance			
	H. P. Feedwater Heater Water Side Relief Valve (2)	Safety			
	H. P. Feedwater Heater Water Side Vents (2)	Maintenance			
	H. P. Heater Flash Line To Dearator Vent (2)	Continuous			
	H. P. Heater Vents To Dearator (2)	Continuous			
	Upper Spray Header Vent (2)	Maintenance			
	Condenser and Air Evacuation System	Condenser Vents (4)		Maintenance	Trivial
		Vacuum Pump Exhaust (1)		Continuous	

Condenser and Air Evacuation System (cont'd)	Circulating Water Pump Vent (2)	Maintenance	Trivial
	L. P. Turbine Diaphragm Seals	Safety	
Cooling Water and Service Water System	Miscellaneous Vents to Atmosphere	Maintenance	Trivial
Elevator Room	Side Vent (1)	Continuous	Trivial
Camera	Cooling Fan (1)	Continuous	
Boiler Room	Roof Vents (18)	Continuous	Trivial
	Roof Drain Vent (1)	Continuous	
Stairwell	Vent (1)	Continuous	Trivial
Condensate and Feedwater System	L. P. Feedwater Heater Steam Side Relief Valve (2)	Safety	Trivial
	L. P. Feedwater Heater Steam Side Vent	Maintenance	Trivial
Testing Equipment	CEMs	Continuous	Trivial
	Stack Sampling Calibration Gases		
	Oxygen Detectors		
CO2 Gas	Fire Protection	Safety	Non-Regulated- Trivial
	Generator Purge	Maintenance	
Hot Precipitator House	Vents (2)	Continuous	Trivial
	Ridge Vent (1)		
	Power Ventilators (4)		
	Side Louvers		
Cold Precipitator House	Power Ventilators (3)	Continuous	Trivial
	Vents (1)		
		Maintenance	
Exit Gas Duct	Sampling Ports (22)	Maintenance	Trivial
	Cleaning Out Ductwork		
	Washing Hot and Cold Precipitators		
Coal System	Coal Feeders/Scales Samples Taken Here (4)	Continuous	Trivial
<b>Smith Plant Unit 2</b>			
<b>Equipment/System</b>	<b>Source</b>	<b>Frequency of Operation</b>	<b>Justification</b>
Steam Generator Main Stream Reheat Steam	Blow Down (1)	Continuous	Trivial
	Main Steam Vent (1)	Maintenance	
	Superheat Link Vents (2)	Maintenance	

Steam Generator Main Steam Reheat Steam (cont'd)	Economizer Link Vents (2)	Safety	Trivial
	Drum Vents (2)		
	Superheat Relief Valves (2)		
	Hot Reheat Relief Valves (2)	Safety	
	Cold Reheat Relief Valves (2)	Safety	
	Constant Pressure Relief Valve (1)	Safety	
	Drum Relief Valves (3)	Safety	
	Gland Seal Steam Relief Valve	Safety	
	Sootblower Header Relief Valve	Safety	
	Cold Reheat Vent (1)	Maintenance	
	Hot Reheat Vent (1)	Maintenance	
	Superheat Power Pop (Disconnected)	Safety	
	Sootblower Tie Vents (2)	Maintenance	
	Superheater Lead Vent (1)		
	Sootblowers Packing Leaks		
Elevator Room	Vents (2)	Continuous	Trivial
Camera	Cooling Fan	Continuous	Trivial
Boiler Room	Dearator Roof Vents (5)		Trivial
	Roof Vents (14)	Continuous	
Stairwell	Vent Fan (1)	Continuous	Trivial
Condensate and Feedwater System	L. P. Feedwater Heater Steam side Relief Valve (2)	Safety	Trivial
	L. P. Feedwater Heater Steam side Vents (2)	Maintenance	
	Dearator Relief Valves (1)	Safety	
	Dearator Vent (4)	Continuous	
	Dearator Dump Tank (1)	Safety	
	Economizer Feedwater Inlet Vent (1)	Maintenance	
	H. P. Feedwater Heater Steam Side Relief Valve (2)	Safety	
	H. P. Feedwater Heater Steam Side Vents (2)	Maintenance	

Condensate and Feedwater System (cont'd)	Gland Seal Steam Vapor Extractor	Continuous	Trivial
	Gland Seal Steam Header Relief	Safety	
	H. P. Heater Flash Line To Dearator Vent (2)	Continuous	
	H. P. Heater Vents To Dearator	Continuous	
	Upper Spray Header Vent (2)	Maintenance	
	Condensate Tanks	Continuous	
	L. P. Feedwater Heater Water side Relief Valve (2)	Safety	
	L. P. Feedwater Heater Water side Vent (2)	Maintenance	
	H. P. Feedwater Heater Water side Relief Valve (2)	Safety	
	H. P. Feedwater Heater Water side Vents (2)	Maintenance	
	Condenser and Air Evacuation System	Condenser Vents (4)	
Vacuum Pump Exhaust		Continuous	
Circulating Water Pump Vent (2)		Maintenance	
Tunnel Vent Cut Off In Pump Room		Not In Use	
L. P. Turbine Diaphragm Seals		Safety	
Cooling Water Service Water System	Service Water Tank	Continuous	Trivial
	Clear Water Tank	Continuous	
	Miscellaneous Vents to Atmosphere	Maintenance	
Testing Equipment	CEMs	Continuous	Trivial
	Stack Sampling Calibration Gases		
	Oxygen Detectors		
CO2 Gas	Fire Protection	Safety	Non-Regulated- Trivial
	Generator Pump	Maintenance	
Hot Precipitator House	Vents (2)	Continuous	Trivial
	Ridge Vent (1)		
	Power Ventilators (4)		
	Side Louvers		
Cold Precipitator House	Power Ventilators (3)	Continuous	Trivial
	Vents (1)		

Exit Gas Duct	Sampling Ports (22)	Maintenance	Trivial
	Cleaning Out Ductwork		
	Washing Hot and Cold Precipitators		
Coal System	Coal Feeders/Scales Samples Taken Here (5)	Continuous	Trivial
	Coal Pulverizer with Exhaust Fans (5)		
	Coal Burners and Piping (20)		
<b>Smith Plant Coal Handling</b>			
Equipment/System	Source	Frequency of Operation	Justification
Coal Handling	Tripper (1)		Trivial
	Crusher House Vents (4)		
	Crusher House Bathroom Vents		
Tripper Galley	Roof Vents (9)	Continuous	Trivial
	Coal Sample Grinder	Continuous When Grinding Sample	
	Coal Sample Riffler	Continuous When Grinding Sample	

## **COMPLIANCE REPORT AND PLAN LANSING SMITH ELECTRIC GENERATING PLANT**

**The following compliance report and plan is provided to document the compliance status of each emissions unit addressed in this Application for Air Permit. Each emissions unit is addressed with respect to each applicable requirement, applicable test method, test frequency, reporting, recordkeeping, emission limit, and compliance status. For any instance of noncompliance, a description of actions is provided that will be taken to achieve compliance, including a compliance schedule with enforceable milestones.**

# Lansing Smith Electric Generating Plant Compliance Report

## Current Applicable Requirements and Status

- Lansing Smith Unit 1 (Emissions Unit 1)**

Parameter	Applicable Requirements	Test Method	Test Frequency	Reporting	Recordkeeping	Limits	Compliance Status
SO2	62-296.405	CEM/FS&A**	24 hour	Quarterly	5 years	6.17 lb/MBTU	In
PM	62-296.405	EPA Method 5/17	Annual	Per Test	5 years	0.1 lb/MBTU	In
Visible Emissions	62-296.405	EPA Method 9	Annual	Per Test	5 years	40%	In
SO2	40 CFR Parts 72,73,75,77,78	CEM 40CFR75	6-12 months	Quarterly	3 years	Phase II SO2 Allowances	In
NOx	40 CFR Parts 72,77,78	CEM 40CFR75	6-12 months	Quarterly	3 years	Phase II NOx Standards	In

- Lansing Smith Unit 2 (Emissions Unit 2)**

Parameter	Applicable Requirements	Test Method	Test Frequency	Reporting	Recordkeeping	Limits	Compliance Status
SO2	62-296.405	CEM/FS&A**	24 hour	Quarterly	5 years	6.17 lb/MBTU	In
PM	62-296.405	EPA Method 5/17	Annual	Per Test	5 years	0.1 lb/MBTU	In
Visible Emissions	62-296.405	EPA Method 9	Annual	Per Test	5 years	40%	In
SO2	40 CFR Parts 72,73,75,77,78	CEM 40CFR75	6-12 months	Quarterly	3 years	Phase II SO2 Allowances	In
NOx	40 CFR Parts 72,77,78	CEM 40CFR75	6-12 months	Quarterly	3 years	Phase II NOx Standards	In

\*\* Continuous Emission Monitoring or Fuel Sampling and Analysis Method (See Special Conditions)

## Current Applicable Requirements and Status

- **Lansing Smith Combustion Turbine (Emissions Unit 3)**

Parameter	Applicable Requirements	Test Method	Test Frequency	Reporting	Recordkeeping	Limits	Compliance Status
Visible Emissions	check this 62-296.405	EPA Method 9	Permit Renewal	Per Test	5 years	20%	In

- **Lansing Smith Materials Handling (Emissions Unit 4)**

No current applicable requirements noted.

- **Lansing Smith Miscellaneous Emissions (Emissions Unit 5)**

No current applicable requirements noted.



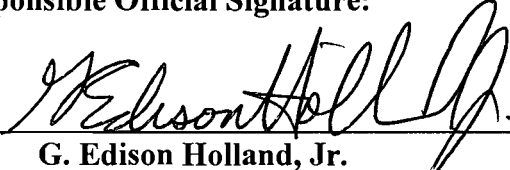


**COMPLIANCE CERTIFICATION  
LANSING SMITH ELECTRIC GENERATING PLANT**

The following certification is provided as to the truth, accuracy, and completeness of the Lansing Smith Electric Generating Plant Compliance Plan. The certification and any applicable progress reports will be provided with the initial Title V application, renewal, modification, and annually in concert with the submission of the Air Operating Report on or before March 1 each year of the active permit.

“I, the undersigned, am the responsible official as defined in Chapter 62-120.200, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made and data contained in this report are true, accurate, and complete.”

Responsible Official Signature:

  
\_\_\_\_\_  
G. Edison Holland, Jr.  
V. P. Power Generation/Transmission  
and Corporate Counsel

  
\_\_\_\_\_  
Date Signed

### III. EMISSIONS UNIT INFORMATION

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

Emissions Unit Information Section 1

Plant Lansing Smith Unit 1 Electric Utility Boiler

#### 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 :

- [ 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.

Emissions Unit Information Section 1

**B. GENERAL EMISSIONS UNIT INFORMATION  
(Regulated and Unregulated Emissions Units)**

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section :  Plant Lansing Smith Unit 1 Electric Utility Boiler		
2. Emissions Unit Identification Number : 001 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [X] Yes [ ] No	5. Emissions Unit Major Group SIC Code : 49
6. Emissions Unit Comment :  Lansing Smith Unit 1 is a tangentially fired, dry bottom boiler. The primary fuel is coal. Distillate #2 fuel oil and "on-specification" used oil are combusted as secondary fuels.		

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Emissions Unit Control Equipment**      1

1. Description :	
Unit #1 Hot Precipitator Buell Model #BAL 2X34N333-4-3P	
2. Control Device or Method Code :	10

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Emissions Unit Control Equipment**      2

1. Description :	
Unit #1 Cold Precipitator General Electric Model #BE1.2X21(12)30-1.5-1.5-4.2P	
2. Control Device or Method Code :	10

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

**Emissions Unit Information Section**                      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler \_\_\_\_\_

**Emissions Unit Details**

1. Initial Startup Date :	12-May-1965	
2. Long-term Reserve Shutdown Date :		
3. Package Unit :		
Manufacturer :		Model Number :
4. Generator Nameplate Rating :	175	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 :	1768	mmBtu/hr
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment :	Unit is capable of full load on coal with #2 fuel oil and "on-spec" used oil as secondary fuels. See Specific Condition 2 in permit in EUS1-12 regarding max heat input at 110% of item 1 above.	

**Emissions Unit Operating Schedule**

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

**D. EMISSIONS UNIT REGULATIONS  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Rule Applicability Analysis**

Not Applicable.

III. Part 6a - 1

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



**Emissions Unit Information Section** 1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**List of Applicable Regulations**

Title V Core List

Lansing Smith Unit 1 Federal-Regulation List (Sm 1 rule.EPA)

Lansing Smith Unit 1 State-Regulation List (Sm 1 rule.DEP)

III. Part 6b - 1

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



# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

April 1, 1996

Owners  
Title V Sources

Dear Permittee:

Department records indicate that you operate a facility that is subject to Title V of the Clean Air Act. As you probably know, applications for Title V permits are due by June 15, 1996.


The Department has made numerous changes in its rules in recent months. Therefore, the Title V Core List, a list of rules that presumptively applies to each Title V source, has been updated and is provided for your convenience in completing the Title V application.

Enclosed you will also find a cross-reference of the old rule numbers and their new numbers.

Applicants are encouraged to use the new listing, however, to the extent that the applications have been completed by using the outdated rule references, it is not essential that the applications be changed.

If your facility is not subject to Title V, please disregard. If you do not know whether your facility is a Title V source or if you need additional information, please contact the Title V coordinator in Tallahassee for your geographical location as shown on the enclosure.

Sincerely,

  
John C. Brown, Jr., P.E.  
Administrator, Title V Section  
Bureau of Air Regulation

JCB/sk

Enclosures

# Title V Core List

Effective: 03/25/96

[**Note:** The Title V Core List is meant to simplify the completion of the "List of Applicable Regulations" for DEP Form No. 62-210.900(1), Application for Air Permit - Long Form. The Title V Core List is a list of rules to which all Title V Sources are presumptively subject. The Title V Core List may be referenced in its entirety, or with specific exceptions. The Department may periodically update the Title V Core List.]

**Federal:** (description)

40 CFR 61: National Emission Standards for Hazardous Air Pollutants (NESHAP)  
40 CFR 61, Subpart M: National Emission Standard for Asbestos.

40 CFR 82: Protection of Stratospheric Ozone.  
40 CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC).  
40 CFR 82, Subpart F: Recycling and Emissions Reduction.

**State:** (description)

**CHAPTER 62-4, F.A.C.: PERMITS, effective 10-16-95**

62-4.030, F.A.C.: General Prohibition.  
62-4.040, F.A.C.: Exemptions.  
62-4.050, F.A.C.: Procedure to Obtain Permits; Application.  
62-4.060, F.A.C.: Consultation.  
62-4.070, F.A.C.: Standards for Issuing or Denying Permits; Issuance; Denial.  
62-4.080, F.A.C.: Modification of Permit Conditions.  
62-4.090, F.A.C.: Renewals.  
62-4.100, F.A.C.: Suspension and Revocation.  
62-4.110, F.A.C.: Financial Responsibility.  
62-4.120, F.A.C.: Transfer of Permits.  
62-4.130, F.A.C.: Plant Operation - Problems.  
62-4.150, F.A.C.: Review.  
62-4.160, F.A.C.: Permit Conditions.  
62-4.210, F.A.C.: Construction Permits.  
62-4.220, F.A.C.: Operation Permit for New Sources.

**CHAPTER 62-103, F.A.C.: RULES OF ADMINISTRATIVE PROCEDURE, effective 12-31-95**

62-103.150, F.A.C.: Public Notice of Application and Proposed Agency Action.  
62-103.155, F.A.C.: Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

**CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL REQUIREMENTS, effective 03-21-96**

62-210.300, F.A.C.: Permits Required.

62-210.300(1), F.A.C.: Air Construction Permits.

62-210.300(2), F.A.C.: Air Operation Permits.

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

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

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

62-210.300(5), F.A.C.: Notification of Startup.

62-210.300(6), F.A.C.: Emissions Unit Reclassification.

62-210.350, F.A.C.: Public Notice and Comment.

62-210.350(3), F.A.C.: Additional Public Notice Requirements for Facilities Subject to Operation Permits for Title V Sources.

62-210.360, F.A.C.: Administrative Permit Corrections.

62-210.370(3), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility.

62-210.650, F.A.C.: Circumvention.

62-210.900, F.A.C.: Forms and Instructions.

62-210.900(1) Application for Air Permit - Long Form, Form and Instructions.

62-210.900(5) Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions.

**CHAPTER 62-213, F.A.C.: OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION, effective 03-20-96**

62-213.205, F.A.C.: Annual Emissions Fee.

62-213.400, F.A.C.: Permits and Permit Revisions Required.

62-213.410, F.A.C.: Changes Without Permit Revision.

62-213.412, F.A.C.: Immediate Implementation Pending Revision Process.

62-213.420, F.A.C.: Permit Applications.

62-213.430, F.A.C.: Permit Issuance, Renewal, and Revision.

62-213.440, F.A.C.: Permit Content.

62-213.460, F.A.C.: Permit Shield.

62-213.900, F.A.C.: Forms and Instructions.

62-213.900(1) Major Air Pollution Source Annual Emissions Fee Form, Form and Instructions.

## **Title V Core List**

Effective: 03/25/96

**CHAPTER 62-256, F.A.C.: OPEN BURNING AND FROST PROTECTION FIRES**, effective 11-30-94

**CHAPTER 62-257, F.A.C.: ASBESTOS NOTIFICATION AND FEE**, effective 03/24/96

**CHAPTER 62-281, F.A.C.: MOTOR VEHICLE AIR CONDITIONING REFRIGERANT RECOVERY AND RECYCLING**, effective 03-07-96

**CHAPTER 62-296, F.A.C.: STATIONARY SOURCES - EMISSION STANDARDS**, effective 03-13-96

62-296.320(2), F.A.C.: Objectionable Odor Prohibited.

62-296.320(3), F.A.C.: Industrial, Commercial, and Municipal Open Burning Prohibited.

62-296.320(4)(c), F.A.C.: Unconfined Emissions of Particulate Matter.

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**Division of Air Resources Management  
Rule Repeals and Conforming Amendments  
Cross-Reference of Rule Number Changes**

March 24, 1996

Based on FAW Notices:    10/27/95 (effective 1/1/96 & 1/2/96)  
                                  12/15/96, 2/2/96, & 2/9/96 (effective 3/13/96)  
                                  1/26/96 (effective 3/24/96)

**Rules Moved or Renumbered**

**From:**

**To:**

**62-204:**

204.500	204.500(1)
204.500(1)-(4)	204.500(1)(a)-(d)
204.600	204.500(2)

**62-210:**

210.400(4)	212.600(3)
Fig. 210.400-1	212.600(3)(c)4. - figure replaced by equation
210.500 - except last sentence	204.220(4)

**62-212:**

212.200 - all definitions	210.200 - definitions merged in as needed
212.400(6)-(8) and below	212.400(7)-(9) and below
212.410(1)(a)-(d)	212.400(6)(a)1.-4.
212.410(2)	212.400(6)(b)
212.410(3)(a) and below	212.400(6)(c) - amended to cite CFR
212.410(3)(b) and below	212.400(6)(c)1. - amended to cite CFR
212.410(3)(c)	212.400(6)(c)2.
212.410(4)(a)-(b)	212.400(6)(d)1.-2.
212.500(7) and below	212.500(8) and below
212.510(1)(a)-(c)	212.500(7)(a)1.-3.
212.510(2)-(3)	212.500(7)(b)-(c)
212.700(1)-(2)	210.300(6)(a)-(b)

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-213:**

213.200 - all definitions  
213.210

210.200 - definitions merged in as needed  
213.205(5)

**62-214:**

214.200 - all definitions

210.200 - definitions merged in as needed

**62-215:**

215.220(1)  
215.220(1)(a)-(c)  
215.220(2)  
215.220(3)(a)-(b)  
215.220(4)  
215.220(5)(a)-(d)  
215.230  
215.230(1)-(10)  
215.230(11)(a)-(d)  
215.230(12)  
215.230(12)(a)-(d)  
215.230(13)(a)-(b)  
215.230(14)  
215.230(14)(a)-(b)  
215.230(15)  
215.230(16)  
215.230(16)(a)  
215.230(16)(b)  
215.230(17)-(19)  
215.300(1)  
215.900(1)

213.300(2)(a)  
213.300(2)(a)1.-3.  
213.300(2)(b)  
213.300(2)(c)1.-2.  
213.300(2)(d)  
213.300(2)(e)1.-4.  
213.300(3)  
213.300(3)(a)-(j)  
213.300(3)(k)1.-4.  
213.300(3)(l)1.  
213.300(3)(l)2.-5.  
213.300(3)(m)1.-2.  
213.300(3)(n)1.  
213.300(3)(n)2.-3.  
213.300(3)(o)  
213.300(3)(p)1.  
213.300(3)(p)1. - last sentence  
213.300(3)(p)2.  
213.300(3)(q)-(s)  
213.300(1)(a)  
213.900(2)

**62-257:**

257.300  
257.301(1)-(5) and below  
257.350

257.301(1)  
257.301(2)-(6) and below  
204.800(8)(b)8.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-272:**

272.100	204.100(1)
272.200 - all definitions	204.200 - definitions merged in as needed
272.300(2) - except last sentence	204.220(1)
272.300(2) - last sentence	204.220(3)
272.300(3)(a)1.-3.	204.240(1)(a)-(c)
272.300(3)(b)1.-2.	204.240(2)(a)-(b)
272.300(3)(c)1.-2.	204.240(3)(a)-(b)
272.300(3)(d)1.	204.240(4)
272.300(3)(d)1.a.-c.	204.240(4)(a)-(c)
272.300(3)(e)1.	204.240(5)
272.300(3)(f)1.	204.240(6)
272.500	204.260
272.500(1)(a)-(b) and below	204.260(1)(a)-(b) and below
272.500(1)(c)1.	204.260(1)(c)
272.500(2)(a)-(b) and below	204.260(2)(a)-(b) and below
272.500(2)(c)1.	204.260(2)(c)
272.500(3)(a)-(b) and below	204.260(3)(a)-(b) and below
272.500(3)(c)1.	204.260(3)(c)

**62-275:**

275.100	204.100(2)
275.200 - all definitions	204.200 - definitions merged in as needed
275.300 and below	204.320 and below
275.400(1)-(5)	204.340(1)(a)-(e)
275.410(1)	204.340(2)(a) - amended to delete ozone areas
275.410(2)-(7)	204.340(2)(b)-(g)
275.420(1)	204.340(3)(a)
275.420(2)(a)-(d)	204.340(3)(b)1.-4.
275.420(3)	204.340(3)(c)
275.600(1)(a)	204.340(4)(a)1.
275.600(1)(b)	204.340(4)(a)2.-4. - amended to add ozone areas
275.600(3)(a)-(b)	204.340(4)(b)1.-2.
275.600(4)-(5)	204.340(4)(c)-(d)
275.700(1)-(3) and below	204.360(1)-(3) and below
275.800(1) and below	204.360(4) and below
275.800(2) and below	204.360(5) and below



DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-296:**

296.200 - all definitions	210.200 - definitions merged in as needed
296.310	296.320(4)
296.310(1)	296.320(4)(a)
296.310(1)(a)1.-3.	296.320(4)(a)1.a.-c.
296.310(1)(b)	296.320(4)(a)2.
296.310(1)(c)	296.320(4)(a)3.
296.310(1)(c)1.a.-b.	296.320(4)(a)3.a.(i)-(ii)
296.310(1)(c)2.a.-b.	296.320(4)(a)3.b.(i)-(ii)
296.310(1)(c)3.	296.320(4)(a)3.c.
Table 296.310-1	Table 296.320-1
296.310(2)(a) - first sentence	296.320(4)(b)1.
296.310(2)(a) - remaining sentences	296.320(4)(b)2. - amended to clarify intent
296.310(2)(a)1.-3.	296.320(4)(b)2.a.-c.
296.310(2)(b)	296.320(4)(b)3.
296.310(2)(c)1.-2.	296.320(4)(b)4.a.-b.
296.310(3)(a)-(b)	296.320(4)(c)1.-2.
296.310(3)(c)1.-8.	296.320(4)(c)3.a.-h.
296.310(3)(d)	296.320(4)(c)4.
296.800(1)	204.800(7)(a)
296.800(2)(a)	204.800(7)(b)
296.800(2)(a)1.-68.	204.800(7)(b)1.-68.
296.800(2)(b)	204.800(7)(c)
296.800(3)	204.800(7)(d)
296.800(4)	204.800(7)(e)
296.800(4)(a)-(e)	204.800(7)(e)1.-5.
296.810(1)	204.800(8)(a)
296.810(2)(a)	204.800(8)(b)
296.810(2)(a)1.-7.	204.800(8)(b)1.-7.
296.810(2)(a)8.-14.	204.800(8)(b)9.-15.
296.810(2)(b)	204.800(8)(c)
296.810(3)	204.800(8)(d)
296.810(4)	204.800(8)(e)
296.810(4)(a)-(c)	204.800(8)(e)1.-3.
296.820(1)	204.800(9)(a)
296.820(2)(a)	204.800(9)(b)
296.820(2)(a)1.-5.	204.800(9)(b)1.-5.
296.820(2)(b)	204.800(9)(c)
296.820(3)	204.800(9)(d)
296.820(3)(a)-(d)	204.800(9)(d)1.-4.
296.820(4)	204.800(9)(e)
296.820(4)(a)-(b)	204.800(9)(e)1.-2.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

From:

To:

**62-297:**

297.200 - all definitions	210.200 - definitions merged in as needed
297.310(4)	297.310(9)
297.330(1)	297.310(4)(a)
297.330(1)(a)-(b)	297.310(4)(a)1.-2.
297.330(1)(b)1.-3.	297.310(4)(a)2.a.-c.
297.330(2)-(5)	297.310(4)(b)-(e)
Table 297.330-1	Table 297.310-1
297.340(1)	297.310(7)(a)
297.340(1)(a)-(b)	297.310(7)(a)1.-2.
297.340(1)(c)	297.310(7)(a)3.
297.340(1)(c)1.-2.	297.310(7)(a)3.a.-b.
297.340(1)(d)	297.310(7)(a)4.
297.340(1)(d)1.	297.310(7)(a)4.a.
297.340(1)(d)2.a.-c.	297.310(7)(a)4.b. - lang. combined in one paragraph
297.340(1)(d)3.	297.310(7)(a)4.c.
297.340(1)(e)-(j)	297.310(7)(a)5.-10.
297.340(2)-(3)	297.310(7)(b)-(c)
297.345	297.310(6)
297.345(1)-(2)	297.310(6)(a)-(b)
297.345(3)(a)1.-5.	297.310(6)(c)1.-5.
297.345(3)(b)1.-4.	297.310(6)(d)1.-4.
297.345(3)(c)1.-2.	297.310(6)(e)1.-2.
297.345(3)(d)1.-2.	297.310(6)(f)1.-2.
297.345(3)(e)1.	297.310(6)(g)1.
297.345(3)(e)1.a.-c.	297.310(6)(g)1.a.-c.
297.345(3)(e)2.-3.	297.310(6)(g)2.-3.
297.350(1)-(2)	297.310(5)(a)-(b)
297.400(1)	297.401 - last two sentences
297.420(1)	297.401(9)(c)1.
297.420(2)(a)-(b)	297.401(9)(c)2.a.-b.
297.570(1)-(3)	297.310(8)(a)-(c)
297.570(3)(a)-(u)	297.310(8)(c)1.-21.

### Rules Fully Repealed, Not Moved

<u>Rule Repealed:</u>	<u>Comment:</u>
204.300	Definition of "SIP" expanded in 204.200
209.100-.800	Entire chapter 62-209 repealed; to be implemented by guidance
210.400(1)-(3) 210.500 last sentence 210.600 210.980	
213.220	Restates statute
215.100 215.200 215.240 215.300(2)-(6) 215.900(2)	Reproposed at 213.300(4) (FAW notice 3/8/96) Reproposed as part of Form 62-213.900(2) (FAW notice 3/8/96)
242.300	Definition of "Program Area" expanded in 242.200
243.700	Restates statute
244.100-.600	Entire chapter 62-244 repealed; to be implemented by guidance
252.800	Restates statute
257.401	Restates statute
272.300(1) 272.750(1) 272.750(2) Figure 272.750-1	Moved to document adopted by reference at 212.600(2)(c) Included in document adopted by reference at 212.600(2)(c)
273.200-.600	Entire chapter 62-273 repealed; considered obsolete
275.410(1)(a)-(c) 275.600(2)	Repealed in response to EPA approval of redesignations

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**Rule Repealed:**

**Comment:**

296.330  
296.400

Definition of "BACT" in 210.200 to be used in lieu of rule  
Language of "Purpose and Scope" at 296.100 expanded

Figure 297.345-1

Replaced by text at 297.345(3)(e)1.a.-c., effective 1/1/96; then  
moved to 297.310(6)(g)1.a.-c., effective 3/13/96)

297.400(2)

297.411

297.412

297.413

297.414

297.415

Figure 297.415-1

Figure 297.415-2

Figure 297.415-3

297.416

297.417

297.418

297.419

297.421

297.422

297.423

297.424

**n:\opapm\crossref.doc**

# FLORIDA COUNTY LISTING WITH ASSOCIATED FEE REVIEW CONTACT

Northeast & Northwest Districts: Jonathan Holtom / Ed Svec  
 South & Southwest Districts: Charles Logan / Lennon Anderson  
 Central & Southeast Districts: Tom Cascio / Steve Welsh  
 General Fee Questions - All Districts: Bruce Mitchell  
 Contact at: (904) 488-1344

Florida County Code	County Name	FIPS County Code	Contact Engineer
1	Alachua	001	Holtom / Svec
2	Baker	003	Holtom / Svec
3	Bay	005	Holtom / Svec
4	Bradford	007	Holtom / Svec
5	Brevard	009	Cascio / Welsh
6	Broward	011	Cascio / Welsh
7	Calhoun	013	Holtom / Svec
8	Charlotte	015	Logan / Anderson
9	Citrus	017	Logan / Anderson
10	Clay	019	Holtom / Svec
11	Collier	021	Logan / Anderson
12	Columbia	023	Holtom / Svec
13	Dade	025	Cascio / Welsh
14	DeSoto	027	Logan / Anderson
15	Dixie	029	Holtom / Svec
16	Duval	031	Holtom / Svec
17	Escambia	033	Holtom / Svec
18	Flagler	035	Holtom / Svec
19	Franklin	037	Holtom / Svec
20	Gadsden	039	Holtom / Svec
21	Gilchrist	041	Holtom / Svec
22	Glades	043	Logan / Anderson
23	Gulf	045	Holtom / Svec
24	Hamilton	047	Holtom / Svec
25	Hardee	049	Logan / Anderson
26	Hendry	051	Logan / Anderson
27	Hernando	053	Logan / Anderson
28	Highlands	055	Logan / Anderson
29	Hillsborough	057	Logan / Anderson
30	Holmes	059	Holtom / Svec
31	Indian River	061	Logan / Anderson
32	Jackson	063	Holtom / Svec
33	Jefferson	065	Holtom / Svec
34	LaFayette	067	Holtom / Svec

Florida County Code	County Name	FIPS County Code	Contact Engineer
35	Lake	069	Cascio / Welsh
36	Lee	071	Logan / Anderson
37	Leon	073	Holtom / Svec
38	Levy	075	Holtom / Svec
39	Liberty	077	Holtom / Svec
40	Madison	079	Holtom / Svec
41	Manatee	081	Logan / Anderson
42	Marion	083	Cascio / Welsh
43	Martin	085	Cascio / Welsh
44	Monroe	087	Logan / Anderson
45	Nassau	089	Holtom / Svec
46	Okaloosa	091	Holtom / Svec
47	Okeechobee	093	Cascio / Welsh
48	Orange	095	Cascio / Welsh
49	Osceola	097	Cascio / Welsh
50	Palm Beach	099	Cascio / Welsh
51	Pasco	101	Logan / Anderson
52	Pinellas	103	Logan / Anderson
53	Polk	105	Logan / Anderson
54	Putnam	107	Holtom / Svec
55	Saint Johns	109	Holtom / Svec
56	Saint Lucie	111	Cascio / Welsh
57	Santa Rose	113	Holtom / Svec
58	Sarasota	115	Logan / Anderson
59	Seminole	117	Cascio / Welsh
60	Sumter	119	Logan / Anderson
61	Suwannee	121	Holtom / Svec
62	Taylor	123	Holtom / Svec
63	Union	125	Holtom / Svec
64	Volusia	127	Cascio / Welsh
65	Wakulla	129	Holtom / Svec
66	Walton	131	Holtom / Svec
67	Washington	133	Holtom / Svec

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
<b>Part 60 - EPA Regulations on Standards of Performance for New Stationary Sources</b>						
Subpart A — General Provisions						
60.7	Notification and record keeping.	0050014		×		Unit 001
60.8	Performance tests.	0050014		×		Unit 001
60.11	Compliance with standards and maintenance requirements.	0050014		×		Unit 001
60.12	Circumvention.	0050014		×		Unit 001
60.13	Monitoring requirements	0050014		×		Unit 001
60.19	General notifications and reporting requirements	0050014		×		Unit 001
Subpart D — Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971						
60.42	Standard for particulate matter.	0050014		×		Unit 001
60.43	Standard for sulfur dioxide.	0050014		×		Unit 001
60.44	Standard for nitrogen oxides.	0050014		×		Unit 001
60.45	Emission and fuel monitoring.	0050014		×		Unit 001
60.46	Test methods and procedures.	0050014		×		Unit 001
Subpart Da — Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978						
60.42a	Standard for particulate matter.	0050014		×		Unit 001
60.43a	Standard for sulfur dioxide.	0050014		×		Unit 001
60.44a	Standard for nitrogen oxides.	0050014		×		Unit 001
60.45a	Commercial demonstration permit.	0050014		×		Unit 001
60.46a	Compliance provisions.	0050014		×		Unit 001
60.47a	Emission monitoring.	0050014		×		Unit 001

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
60.48a	Compliance determination procedures and methods.	0050014		×		Unit 001
60.49a	Reporting requirements.	0050014		×		Unit 001
Subpart Db — Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units						
60.42b	Standard for sulfur dioxide.	0050014		×		Unit 001
60.43b	Standard for particulate matter.	0050014		×		Unit 001
60.44b	Standard for nitrogen oxides.	0050014		×		Unit 001
60.45b	Compliance and performance test methods and procedures for sulfur dioxide.	0050014		×		Unit 001
60.46b	Compliance and performance test methods and procedures for particulate matter and nitrogen oxides.	0050014		×		Unit 001
60.47b	Emission monitoring for sulfur dioxide.	0050014		×		Unit 001
60.48b	Emission monitoring for particulate matter and nitrogen oxides.	0050014		×		Unit 001
60.49b	Reporting and recordkeeping.	0050014		×		Unit 001
Subpart Dc — Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units						
60.42c	Standard for sulfur dioxide.	0050014		×		Unit 001
60.43c	Standard for particulate matter.	0050014		×		Unit 001
60.44c	Compliance and performance test methods and procedures for sulfur dioxide.	0050014		×		Unit 001
60.45c	Compliance and performance test methods and procedures for particulate matter.	0050014		×		Unit 001
60.46c	Emission monitoring for sulfur dioxide.	0050014		×		Unit 001
60.47c	Emission monitoring for particulate matter.	0050014		×		Unit 001
60.48c	Reporting and recordkeeping.	0050014		×		Unit 001

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
Subpart K — Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978						
60.112	Standard for volatile organic compounds (VOC).	0050014		×		Unit 001
60.113	Monitoring of operations.	0050014		×		Unit 001
Subpart Ka — Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984						
60.112a	Standard for volatile organic compounds (VOC).	0050014		×		Unit 001
60.113a	Testing and procedures.	0050014		×		Unit 001
60.114a	Alternative means of emission limitations.	0050014		×		Unit 001
60.115a	Monitoring of operations.	0050014		×		Unit 001
Subpart Kb — Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984						
60.112b	Standard for volatile organic compounds (VOC).	0050014		×		Unit 001
60.113b	Testing and procedures.	0050014		×		Unit 001
60.114b	Alternative means of emission limitations.	0050014		×		Unit 001
60.115b	Recordkeeping and reporting requirements.	0050014		×		Unit 001
60.116b	Monitoring of operations.	0050014		×		Unit 001
Subpart Y — Standards of Performance for Coal Preparation Plants						
60.252	Standard for particulate matter.	0050014		×		Unit 001
60.253	Monitoring of operations.	0050014		×		Unit 001
60.254	Test methods and procedures.	0050014		×		Unit 001
Subpart GG — Standards of Performance for Stationary Gas Turbines						
60.332	Standard for nitrogen oxides.	0050014		×		Unit 001



EPA Rule	EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
60.333	Standard for sulfur dioxide.	0050014		×		Unit 001
60.334	Monitoring of operations.	0050014		×		Unit 001
60.335	Test methods and procedures.	0050014		×		Unit 001
Subpart 000 — Standards of Performance for Nonmetallic Mineral Processing Plants						
60.672	Standard for Particulate Matter.	0050014		×		Unit 001
60.674	Monitoring of Operations.	0050014		×		Unit 001
60.676	Reporting and Recordkeeping.	0050014		×		Unit 001
<b>Part 61 - EPA Regulations on National Emission Standards for Hazardous Air Pollutants</b>						
Subpart A — General Provisions						
61.05	Prohibited Activities.	0050014	✓			Facility
61.09	Notification of Startup.	0050014		×		Facility
61.10	Source Reporting and Request for Waiver of Compliance.	0050014		×		Facility
61.11	Waiver of Compliance.	0050014		×		Facility
61.12(b)	Compliance with Standards and Maintenance Requirements.	0050014	✓			Facility
61.13	Emission Tests and Waiver of Emission Tests.	0050014		×		Facility
61.14	Monitoring Requirements.	0050014		×		Facility
61.19	Circumvention.	0050014		×		Facility
Subpart M — National Emission Standards for Asbestos		0050014	✓			Facility
Appendix C to Part 61 — Quality Assurance Procedures		0050014	✓			Facility
<b>Part 63 - EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories</b>						
Subpart A — General Provisions						
63.4	Prohibited Activities and Circumvention.	0050014		X		Unit 001

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
63.6	Compliance with Standards and Maintenance Requirements.	0050014		×		Unit 001
63.7	Performance Testing Requirements.	0050014		×		Unit 001
63.8	Monitoring Requirements.	0050014		×		Unit 001
63.9	Notification Requirements.	0050014		×		Unit 001
63.10	Reporting and Recordkeeping Requirements.	0050014		×		Unit 001
63.11	Control Device Requirements.	0050014		×		Unit 001
Subpart Q — National Emission Standards for Industrial Process Cooling Towers						
63.402	Standard.	0050014		×		Unit 001
63.403	Compliance Dates.	0050014		×		Unit 001
63.404	Compliance Demonstrations.	0050014		×		Unit 001
63.405	Notification Requirements.	0050014		×		Unit 001
63.406	Recordkeeping and Reporting Requirements.	0050014		×		Unit 001
Subpart T — National Emission Standards for Halogenated Solvent Cleaning						
63.462	Batch Cold Cleaning Machine Standards.	0050014		×		Unit 001
63.463	Batch Vapor and In-Line Cleaning Machine Standards.	0050014		×		Unit 001
63.464	Alternative Standards.	0050014		×		Unit 001
63.465	Test Methods.	0050014		×		Unit 001
63.466	Monitoring Procedures.	0050014		×		Unit 001
63.467	Recordkeeping Requirements.	0050014		×		Unit 001
63.468	Reporting Requirements.	0050014		×		Unit 001
<b>Part 72 - EPA Acid Rain Program Permits</b>						
Subpart A — General Provisions						

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
72.7	New Units Exemption.	0050014		×		Unit 001
72.8	Retired Units Exemption.	0050014		×		Unit 001
72.9	Standard Requirements.	0050014	✓			Unit 001
Subpart B — Designated Representative						
72.20	Authorization and Responsibilities of the Designated Representative	0050014	✓			Unit 001
72.21	Submissions.	0050014	✓			Unit 001
72.22	Alternate Designated Representative.	0050014	✓			Unit 001
72.23	Changing the Designated Representative, Alternate Designated Representative; Changes in the Owners and Operators.	0050014	✓			Unit 001
Subpart C — Acid Rain Applications						
72.30	Requirements to Apply.	0050014	✓			Unit 001
72.32	Permit Applications Shield and Binding Effect of Permit Application.	0050014	✓			Unit 001
72.33	Identification of Dispatch System.	0050014	✓			Unit 001
Subpart D — Acid Rain Compliance Plan and Compliance Options						
72.40	General.	0050014	✓			Unit 001
72.41	Phase I Substitution Plans.	0050014	✓		Withdrawn Substitution Unit	Unit 001
72.42	Phase I Extension Plans.	0050014		×		Unit 001
72.43	Phase I Reduced Utilization Plans.	0050014		×		Unit 001
72.44	Phase II Repowering Extensions.	0050014		×		Unit 001
Subpart E — Acid Rain Permit Contents						
72.51	Permit Shield.	0050014	✓			Unit 001
Subpart I - Compliance Certification						

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
72.90	Annual Compliance Certification Report.	0050014	✓			Unit 001
72.91	Phase I Unit Adjusted Utilization.	0050014		×		Unit 001
72.92	Phase I Unit Allowance Surrender.	0050014		×		Unit 001
72.93	Units with Phase I Extension Plans.	0050014		×		Unit 001
72.94	Units with Repowering Extension Plans.	0050014		×		Unit 001
<b>Part 73 - EPA Acid Rain Program Sulfur Dioxide Allowance System</b>						
Subpart C — Allowance Tracking System						
73.33	Authorized Account Representative	0050014	✓			Unit 001
73.35	Compliance.	0050014	✓			Unit 001
<b>Part 75 - EPA Acid Rain Program For Continuous Emission Monitoring</b>						
Subpart A — General						
75.4	Compliance Dates.	0050014	✓			Unit 001
75.5	Prohibitions.	0050014	✓			Unit 001
Subpart B — Monitoring Provisions						
75.10	General Operating Requirements.	0050014	✓			Unit 001
75.11	Specific Provisions for Monitoring SO <sub>2</sub> Emissions (SO <sub>2</sub> and Flow Monitors).	0050014	✓			Unit 001
75.12	Specific Provisions for Monitoring NO <sub>x</sub> Emissions (NO <sub>x</sub> and Diluent Gas Monitors).	0050014	✓			Unit 001
75.13	Specific Provisions for Monitoring CO <sub>2</sub> Emissions.	0050014	✓			Unit 001
75.14	Specific Provisions for Monitoring Opacity.	0050014	✓			Unit 001
75.15	Specific Provisions for Monitoring SO <sub>2</sub> Emissions Removal by Qualifying Phase I Technology.	0050014		×		Unit 001

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
75.16	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for SO <sub>2</sub> Emissions and Heat Input Determinations.	0050014		×		Unit 001
75.17	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for NO <sub>x</sub> Emission Rate.	0050014		×		Unit 001
75.18	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for Opacity.	0050014		×		Unit 001
Subpart C — Operation and Maintenance Requirements						
75.20	Certification and Recertification Procedures.	0050014	✓			Unit 001
75.21	Quality Assurance and Quality Control Requirements.	0050014	✓			Unit 001
75.22	Reference Test Methods.	0050014	✓			Unit 001
75.24	Out-of-Control Periods.	0050014	✓			Unit 001
Subpart D — Missing Data Substitution Procedures						
75.30	General Provisions.	0050014	✓			Unit 001
75.31	Initial Missing Data Procedures.	0050014	✓			Unit 001
75.32	Determination of Monitor Data Availability for Standard Missing Data Procedures.	0050014	✓			Unit 001
75.33	Standard Missing Data Procedures.	0050014	✓			Unit 001
75.34	Units with Add-On Emission Controls.	0050014		×		Unit 001
75.35	Missing Data Procedures for CO <sub>2</sub>	0050014	✓			Unit 001
75.36	Missing Data Procedures for Heat Input	0050014	✓			Unit 001
Subpart E — Alternative Monitoring Systems						
75.40	General Demonstration Requirements.	0050014		×		Unit 001
75.41	Precision Criteria.	0050014		×		Unit 001
75.42	Reliability Criteria.	0050014		×		Unit 001

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
75.43	Accessibility Criteria.	0050014		×		Unit 001
75.44	Timeliness Criteria.	0050014		×		Unit 001
75.45	Daily Quality Assurance Criteria.	0050014		×		Unit 001
75.46	Missing Data Substitution Criteria.	0050014		×		Unit 001
75.47	Criteria for a Class of Affected Units.	0050014		×		Unit 001
75.48	Petition for an Alternative Monitoring System.	0050014		×		Unit 001
Subpart F — Recordkeeping Requirements						
75.50	General Recordkeeping Provisions.	0050014	✓			Unit 001
75.51	General Recordkeeping Provisions for Specific Situations.	0050014		×		Unit 001
75.52	Certification, Quality Assurance, and Quality Control Record Provisions.	0050014	✓			Unit 001
75.53	Monitoring Plan.	0050014	✓			Unit 001
75.54	General Recordkeeping Provisions	0050014	✓			Unit 001
75.55	General Recordkeeping Provisions for Special Situations	0050014	✓			Unit 001
75.56	Certification, Quality Assurance and Quality Control Record Provision	0050014	✓			Unit 001
Subpart G — Reporting Requirements						
75.60	General Provisions.	0050014	✓			Unit 001
75.61	Notification of Certification and Recertification Test Dates.	0050014	✓			Unit 001
75.62	Monitoring Plan.	0050014	✓			Unit 001
75.63	Certification or Recertification Applications.	0050014	✓			Unit 001
75.64	Quarterly Reports.	0050014	✓			Unit 001
75.65	Opacity Reports.	0050014	✓			Unit 001

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
Appendix A to Part 75 — Specifications and Test Procedures		0050014	✓			Unit 001
Appendix B to Part 75 — Quality Assurance and Quality Control Procedures		0050014	✓			Unit 001
Appendix C to Part 75 — Missing Data Statistical Estimation Procedures		0050014	✓			Unit 001
Appendix D to Part 75 — Optional SO <sub>2</sub> Emissions Data Protocol for Gas-Fired Units and Oil-Fired Units		0050014		×		Unit 001
Appendix E to Part 75 — Optional NO <sub>x</sub> Emissions Estimation Protocol for Gas-Fired Peaking Units and Oil-Fired Peaking Units		0050014		×		Unit 001
<b>EPA Part 76 - Acid Rain Nitrogen Oxides Emission Reduction Program</b>						
76.5	NO <sub>x</sub> Emission Limitations for Group 1 Boilers.	0050014	✓			Unit 001
76.8	Early Election for Group 1, Phase II Boilers.	0050014	✓		Possible Option for Smith Units	Unit 001
76.9	Permit Applications and Compliance Plans.	0050014	✓			Unit 001
76.10	Alternative Emission Limitations.	0050014	✓			Unit 001
76.11	Emissions Averaging.	0050014	✓			Unit 001
76.12	Phase I NO <sub>x</sub> Compliance Extensions.	0050014		×		Unit 001
76.13	Compliance and Excess Emissions	0050014	✓			Unit 001
76.14	Monitoring, Recordkeeping, and Reporting.	0050014	✓		Applicable only if AEL requested in Phase II	Unit 001
76.15	Test Methods and Procedures.	0050014	✓		Applicable only if AEL requested in Phase II	Unit 001
<b>EPA Part 77 - Excess Emissions</b>						
77.3	Offset Plans	0050014	✓		May apply in the future.	Unit 001
77.5(b)	Deduction of Allowances	0050014	✓		May apply in the future.	Unit 001

EPA Rule	GULF POWER - SMITH UNIT 1 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
77.6	Excess Emission Penalties for SO2 and Nox; and	0050014	✓		May apply in the future.	Unit 001
<b>EPA Part 82 - Protection Of Stratospheric Ozone</b>						
Subpart B - Servicing of Motor Vehicle Air Conditioners						
82.34	Prohibitions.	0050014		×		Facility
82.36	Approved refrigerant recycling equipment.	0050014		×		Facility
82.38	Approved independent standards testing organizations.	0050014		×		Facility
82.40	Technician training and certification.	0050014		×		Facility
82.42	Certification, recordkeeping and public notification requirements.	0050014		×		Facility
Subpart F - Recycling and Emissions Reduction						
82.154	Prohibitions.	0050014		×		Facility
82.156	Required practice.	0050014		×		Facility
82.158	Standards for recycling and recovery equipment.	0050014		×		Facility
82.160	Approved equipment testing organizations.	0050014		×		Facility
82.161	Technician certification.	0050014		×		Facility
82.162	Certification by owners of recovery and recycling equipment.	0050014		×		Facility
82.164	Reclaimer certification.	0050014		×		Facility
82.166(k)(m)	Reporting and recordkeeping requirements for owners/operators.	0050014		×	Facility has no units >50 lbs.	Facility
40 CFR 279.72	Used Oil Regulations	0050014	✓		Facility burns on-spec used oil.	Unit 001/ Facility



**GULF POWER - SMITH UNIT 1  
FDEP APPLICABLE REQUIREMENTS LIST**

FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
<b>Chapter 62-4 Permits</b>						
62-4.030	General Prohibition.	0050014	✓		State Only	Facility
62-4.040(1)	Exemptions.	0050014	✓		State Only	Facility
62-4.100	Suspension and Revocation.	0050014	✓		State Only	Facility
62-4.130	Plant Operation - Problems.	0050014	✓		State Only	Facility
<b>Chapter 62-204 State Implementation Plan</b>						
62-204.800	Standards of Performance for New Stationary Sources (NSPS) (see 40 CFR 60 list for subsections).					
	(7) Standards Adopted.	0050014		✗	State only.	Unit 001
	(b) The following Standards of Performance for New Stationary Sources contained in 40 CFR 60, revised as of July 1, 1994, or later as specifically indicated.	0050014		✗	State only.	Unit 001
	1. 40 CFR 60.40 Subpart D, Fossil-fuel-fired Steam Generators for which Construction is Commenced after August 17, 1971.	0050014		✗	State only.	Unit 001
	2. 40 CFR 60.40a Subpart Da, Electric Utility Steam Generators for which Construction is Commenced after September 18, 1978.	0050014		✗	State only.	Unit 001
	3. 40 CFR 60.40b Subpart Db, Industrial-Commercial-Institutional Steam Generating Units.	0050014		✗	State only.	Unit 001
	4. 40 CFR 60.40c Subpart Dc, Small Industrial-Commercial-Institutional Steam Generating Units.	0050014		✗	State only.	Unit 001
	12. 40 CFR 60.110 Subpart K, Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after June 11, 1973, and prior to May 19, 1978.	0050014		✗	State only.	Unit 001
	13. 40 CFR 60.110a Subpart Ka, Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after May 18, 1978, and prior to July 23, 1984.	0050014		✗	State only.	Unit 001

FDEP Rule	GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-204.800	14. 40 CFR 60.110b Subpart Kb, Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.	0050014		×	State only.	Unit 001
	29. 40 CFR 60.250 Subpart Y, Coal Preparation Plants.	0050014		×	State only.	Unit 001
	37. 40 CFR 60.330 Subpart GG, Stationary Gas Turbines.	0050014		×	State only.	Unit 001
	62. 40 CFR 60.670 Subpart OOO, Non-Metallic Mineral Processing Plants.	0050014		×	State only.	Unit 001
62-204.800(7)	(c) The Standards of Performance for New Stationary Sources adopted by reference in this section shall be controlling over other standards in this chapter except that any emissions limiting standard contained in or determined pursuant to this chapter which is more stringent than one contained in a Standard of Performance, or which regulates emissions of pollutants or emissions units not regulated by an applicable Standard of Performance, shall apply.	0050014		×	State only.	Unit 001
	(7)(d) General Provisions Adopted.	0050014		×	State only.	Unit 001
	(7)(e) Appendices Adopted. The following appendices of 40 CFR Part 60, revised as of July 1, 1994 or later as specifically indicated, are adopted and incorporated by reference.	0050014		×	State only.	Unit 001
	1. 40 CFR 60 Appendix A, Test Methods, are adopted by reference.	0050014		×	State only.	Unit 001
	2. 40 CFR 60 Appendix B, Performance Specifications.	0050014		×	State only.	Unit 001
	3. 40 CFR 60 Appendix C, Determination of Emission Rate Change.	0050014		×	State only.	Unit 001
	5. 40 CFR 60 Appendix F, Quality Assurance Procedures.	0050014		×	State only.	Unit 001
62-204.800(8)	National Emission Standards for Hazardous Air Pollutants (NESHAPS).					
	(8) Standards Adopted.	0050014		×	State only.	Unit 001
	(b)8. 40 CFR Part 61 Subpart M Asbestos.	0050014	✓		State only.	Unit 001

FDEP Rule	GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-204.800(8)	(d) General Provisions Adopted. The general provisions of 40 CFR Part 61 Subpart A, revised July 1, 1994, are adopted and incorporated by reference except 40 CFR 61.04, 40 CFR 61.08, 40 CFR 61.11, and 40 CFR 61.18.	0050014	✓		State only.	Unit 001
62-204.800(9)	National Emission Standards for Hazardous Air Pollutants (NESHAPS) - Part 63.					
	(9) Standards Adopted.	0050014		×	State only.	Unit 001
	(b) 40 CFR 63 Subpart Q Chromium Emissions from Industrial Process Cooling Towers*	0050014		×	State only. *This regulation was proposed for incorporation in the FAW on March 8, 1996; not yet "effective" on state level.	Unit 001
	(a) 40 CFR 63 Subpart T Halogenated Solvent Cleaning*	0050014		×	State only. *This regulation was proposed for incorporation in the FAW on March 8, 1996; not yet "effective" on state level.	Unit 001
	(d) General Subparts Adopted.	0050014		×	State only.	Unit 001
	1. 40 CFR 63 Subpart A, General Provisions	0050014		×	State only.	Unit 001
	2. 40 CFR 63 Subpart B, Equivalent Emission Limitation by Permit (112(j))	0050014		×	State only.	Unit 001
	4. 40 CFR 63 Subpart D, Compliance Extensions for Early Reductions	0050014		×	State only.	Unit 001
62-204.800 (11)	Adoption of 40 CFR 70, Federal Title V Rule	0050014	✓		State only.	Facility
62-204.800 (12)	Adoption of 40 CFR 72, Federal Acid Rain Program	0050014	✓		State only.	Unit 001
62-204.800 (13)	Adoption of 40 CFR 73, SO2 Allowance System	0050014	✓		State only.	Unit 001
62-204.800 (14)	Adoption of 40 CFR 75, CEMS	0050014	✓		State only.	Unit 001
62-204.800 (15)	Adoption of 40 CFR 76, Acid Rain Nox Requirement	0050014	✓		Applicable in Phase II	Unit 001
62-204.800 (16)	Adoption of 40 CFR 77, Acid Rain Excess Emissions	0050014	✓		Applicable in Phase II	Unit 001

<b>GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST</b>		Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
FDEP Rule	FDEP Title		Yes	No/NA		
62-204.800 (19)	Adoption of 40 CFR 82, Stratospheric Ozone	0050014		X	State only.	Unit 001/ Facility
<b>Chapter 62-210 Stationary Sources - General Requirements</b>						
62-210.300	Permits Required.					
	(2) Air Operation Permits. (Except (b))	0050014	✓			Facility
	(3)(a) Exemptions - #1-29.	0050014	✓			Facility
	(3)(b) Temporary Exemptions.	0050014	✓			Facility
62-210.300	(5) Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Department in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.	0050014	✓		May apply in the future.	Facility
	(a) The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.	0050014	✓		May apply in the future	Facility
	(b) If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Department as soon as possible after the date of such startup is ascertained.	0050014	✓		May apply in the future.	Facility
62-210.370	Reports.					
	(1) Notification of Intent to Relocate Air Pollutant Emitting Facility.	0050014		X		Unit 001
	(3) Annual Operating Report for Air Pollutant Emitting Facility.	0050014	✓			Facility
62-210.650	Circumvention.	0050014		X		Unit 001
62-210.700	Excess Emissions.	0050014	✓			Unit 001
62-210.900	Forms and Instructions.	0050014	✓			Facility
	(5) Annual Operating Reports	0050014	✓			Facility
<b>Chapter 62-213 Operation Permits for Major Sources of Air Pollution</b>						

FDEP Rule	GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-213.205	Annual Emissions Fee.	0050014	✓			Facility
62-213.400	Permits and Permit Revisions Required.	0050014	✓			Facility
62-213.410	Changes Without Permit Revision.	0050014	✓			Facility
62-213.415	Trading of Emissions Within a Source.	0050014	✓		May apply in the future.	Unit 001 /Facility
62-213.460	Permit Shield.	0050014	✓			Facility
<b>Chapter 62-214 Requirements for Sources Subject to the Federal Acid Rain Program</b>						
62-214.300	Applicability.	0050014	✓			Unit 001
62-214.340	Exemptions.					
	(5) The owners and operators of each unit . . .	0050014	✓			Unit 001
	(6) A new unit shall no longer be exempted . . .	0050014		×		Unit 001
	(7) A retired unit shall no longer be exempted . . .	0050014	✓			Unit 001
62-214.350	Certification.	0050014	✓			Unit 001
62-214.430	Implementation and Termination of Compliance Options. Procedures for activation and termination of compliance options.					
	(1) Activation.	0050014	✓			Unit 001
	(2) Termination.	0050014	✓			Unit 001
<b>Chapter 62-252 Gasoline Vapor Control</b>						
62-252.300	Gasoline Dispensing Facilities - Stage I Vapor Recovery.					
	(2) Prohibition.	0050014		×		Facility
	(3) Control Technology Requirements.	0050014		×		Facility
	(4) Compliance Schedule.	0050014		×	State Only	Facility
62-252.400	Gasoline Dispensing Facilities - Stage II Vapor Recovery.					
	(2) Prohibition.	0050014		×	State Only	Facility

<b>GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(3) Control Technology Requirements.	0050014		×	State Only	Facility
	(4) Compliance Schedules.	0050014		×	State Only	Facility
	(5) Testing.	0050014		×	State Only	Facility
	(6) Recordkeeping.	0050014		×	State Only	Facility
	(7) System Maintenance.	0050014		×	State Only	Facility
62-252.400	(8) Training.	0050014		×	State Only	Facility
62-252.500	Gasoline Tanker Trucks.					
	(2) Prohibitions.	0050014		×	State Only	Facility
	(3) Leak Testing.	0050014		×	State Only	Facility
<b>Chapter 62-256 Open Burning and Frost Protection Fires</b>						
62-256.300	Prohibitions.	0050014	✓		State Only	Facility
62-256.450	Burning for Cold or Frost Protection.	0050014		×	State Only	Facility
62-256.500	Land Clearing.	0050014	✓		State Only	Facility
62-256.600	Industrial, Commercial, Municipal, and Research Open Burning.	0050014	✓		State Only	Facility
62-256.700	Open Burning Allowed.	0050014	✓		State Only	Facility
<b>Chapter 62-257 Asbestos Removal</b>						
62-257.301	Notification Procedure and Fee.	0050014	✓		State Only	Facility
62-257.400	Fee Schedule.	0050014	✓		State Only	Facility
62-257.900	Form.	0050014	✓		State Only	Facility
<b>Chapter 62-281 Motor Vehicle Air Conditioning Refrigerant Recovery and Recycling.</b>						
62-281.300	Applicability.	0050014		×	State Only	Facility
62-281.400	Compliance Requirements.	0050014		×	State Only	Facility
62-281.500	Establishment Certification	0050014		×	State Only	Facility

FDEP Rule	GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-281.500	(1) Initial Certification.	0050014		×	State Only	Facility
	(2) Renewal Certification.	0050014		×	State Only	Facility
	(3) Fees.	0050014		×	State Only	Facility
	(4) Certificate of Compliance.	0050014		×	State Only	Facility
62-281.600	Training Requirements.	0050014		×	State Only	Facility
62-281.700	Equipment Certification.	0050014		×	State Only	Facility
62-281.900	Forms.	0050014		×	State Only	Facility
<b>Chapter 62-296 Stationary Sources -- Emission Standards</b>						
62-296.320	General Pollutant Emission Limiting Standards.					
	(1) Volatile organic compounds emissions or organic solvents emissions.	0050014		×		Facility
	(2) Objectionable Odor Prohibited.	0050014	✓			Facility
	(3) Open Burning.	0050014	✓		State Only	Facility
	(4)(a) Process Weight Table.	0050014		×		Unit 001
	(4)(b) General Visible Emissions Standard.	0050014	✓			Facility
	(4)(c) Unconfined Emissions of Particulate Matter.	0050014	✓			Facility
62-296.405	Fossil Fuel Steam Generators with More than 250 Million Btu per Hour Heat Input.					
	(1) Existing Emissions Units.					
	(a) Visible emissions.	0050014	✓			Unit 001
	(b) Particulate Matter - 0.1 pound per million Btu heat input, as measured by applicable compliance methods.	0050014	✓			Unit 001
	(c) Sulfur Dioxide, as measured by applicable compliance methods.	0050014	✓			Unit 001
	1. Sources burning liquid fuel.	0050014	✓			Unit 001
	2. Sources burning solid fuel.	0050014	✓			Unit 001

<b>GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	3. Owners of fossil fuel steam generators shall monitor their emissions and the effects of the emissions on ambient concentrations of sulfur dioxide, in a manner, frequency, and locations approved, and deemed reasonably necessary and ordered by the Department.	0050014	✓		Not currently listed in permit. No notice deemed necessary to plant.	Unit 001
	(d) Nitrogen Oxides (expressed as NO <sub>x</sub> ).	0050014		×		Unit 001
62-296.405	(e) Test Methods and Procedures.	0050014	✓		Presumably federally enforceable, but cannot be confirmed at this time.	Unit 001
	(f) Continuous Emissions Monitoring Requirements.	0050014	✓			Unit 001
	(g) Quarterly Reporting Requirements.	0050014	✓			Unit 001
	(2) New Emissions Units.					
	(a) Visible Emissions - See Rule 62-204.800(7) and 40 CFR 60.42 and 60.42a	0050014		×		Unit 001
	(b) Particulate Matter - See Rule 62-204.800(7) and 40 CFR 60.42 and 60.42a	0050014		×		Unit 001
	(c) Sulfur Dioxide - See Rule 62-204.800(7) and 40 CFR 60.43 and 60.43a	0050014		×		Unit 001
	(d) Nitrogen Oxides - See Rule 62-204.800(7) and 40 CFR 60.44 and 60.44a	0050014		×		Unit 001
62-296.406	Fossil Fuel Steam Generators with Less than 250 Million Btu per Hour Heat Input, New and Existing Emissions Units.					
	(1) Visible Emissions	0050014		×		Unit 001
	(2) Particulate Matter - Best available control technology in accordance with Rule 62-210.200(40)	0050014		×		Unit 001
	(3) Sulfur Dioxide - Best available control technology in accordance with Rule 62-210.200(40)	0050014		×		Unit 001
62-296.411	Sulfur Storage and Handling Facilities	0050014		×		Unit 001
62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxides (NO <sub>x</sub> ) Emitting Facilities.					
	(1) Applicability.	0050014		×		Unit 001



GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(2) Permit, Recordkeeping, and Compliance Reporting Requirements.	0050014		×		Unit 001
	(a) Permits - Special Considerations.	0050014		×		Unit 001
	(b) Recordkeeping.	0050014		×		Unit 001
62-296.500	(c) Reporting.	0050014		×		Unit 001
	(3) Exceptions.	0050014		×		Unit 001
	(4) Consideration of Exempt Solvents	0050014		×		Unit 001
	(5) Compliance may be demonstrated for surface coating and graphic arts facilities on a 24-hour weighted average basis for a single source point with a single emission limit.	0050014		×		Unit 001
62-296.508	Petroleum Liquid Storage					
	(1) Applicability.	0050014		×		Unit 001
	(2) Control Technology.	0050014		×		Unit 001
	(3) Test Methods and Procedures.	0050014		×		Unit 001
62-296.511	Solvent Metal Cleaning.					
	(1) Applicability.	0050014		×		Unit 001
	(2) Cold Cleaning Control Technology.	0050014		×		Unit 001
	(3) Open Top Vapor Degreaser Control Technology.	0050014		×		Unit 001
	(4) Conveyorized Degreaser Control Technology.	0050014		×		Unit 001
	(5) Test Methods and Procedures.	0050014		×	* 8-hr test requirement not in SIP.	Unit 001
62-296.516	Petroleum Liquid Storage Tanks with External Floating Roofs					
	(1) Applicability.	0050014		×		Unit 001
	(2) Control Technology.	0050014		×		Unit 001
	(3) Test Methods and Procedures.	0050014		×		Unit 001

FDEP Rule	GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- 0050014 and NO <sub>x</sub> - Emitting Facilities.					
	(1) Applicability.	0050014		×	State Only	Unit 001
	(2) Compliance Requirements.	0050014		×	State Only	Unit 001
62-296.570	(3) Operation Permit Requirements.	0050014		×	State Only	Unit 001
	(4) RACT Emission Limiting Standards.	0050014		×	State Only	Unit 001
	(a) Compliance Dates and Monitoring.	0050014		×	State Only	Unit 001
	(b) Emission Limiting Standards.	0050014		×	State Only	Unit 001
	(c) Exception for Startup, Shutdown or Malfunction.	0050014		×	State Only	Unit 001
62-296.700	Reasonably Available Control Technology (RACT) Particulate Matter.					
	(1) Applicability.	0050014		×		Unit 001
	(2) Exemptions.	0050014		×		Unit 001
	(3) Specific RACT Emission Limiting Standards for Stationary Emissions Units.	0050014		×		Unit 001
	(4) Maximum Allowable Emission Rates.	0050014		×		Unit 001
	(a) Emissions Unit Data.	0050014		×		Unit 001
	(b) Maximum Emission Rates.	0050014; p5445X	Unit 001	×		
	(5) Circumvention.	0050014		×		Unit 001
	(6) Operation and Maintenance Plan.	0050014		×		Unit 001
	(a) Air Pollution Control Devices and Collection Systems.	0050014		×		Unit 001
	(b) Control Equipment Data.	0050014		×		Unit 001
	(c) Processing or Materials Handling Systems.	0050014		×		Unit 001
	(d) Fossil Fuel Steam Generators.	0050014		×		Unit 001
62-296.702	Fossil Fuel Steam Generators.					

FDEP Rule	GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(1) Applicability.	0050014		×		Unit 001
	(2) Emission Limitations.	0050014		×		Unit 001
	(a) Particulate Matter - 0.10 lb/mmBtu	0050014		×		Unit 001
62-296.711	(b) Visible Emissions - 20% opacity.	0050014		×		Unit 001
	(3) Test Methods and Procedures.	0050014		×		Unit 001
Materials Handling, Sizing, Screening, Crushing and Grinding Operations.						
	(1) Applicability	0050014		×		Unit 001
	(2) Emission Limitations.	0050014		×		Unit 001
	(3) Test Methods and Procedures.	0050014		×		Unit 001
<b>Chapter 62-297 Stationary Sources -- Emission Monitoring</b>						
62-297.310	General Test Requirements.	0050014	✓			Unit 001
	(1) Required Number of Test Runs	0050014	✓			Unit 001
	(2) Operating Rate During Testing	0050014	✓			Unit 001
	(3) Calculation of Emission Rate	0050014	✓			Unit 001
	(4) Applicable Test Procedures.	0050014	✓			Unit 001
	(a) Required Sampling Time.	0050014	✓			Unit 001
	1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.	0050014	✓			Unit 001
	2. Opacity Compliance Tests.	0050014	✓			Unit 001
	(b) Minimum Sample Volume.	0050014	✓			Unit 001
	(c) Required Flow Rate Range.	0050014	✓			Unit 001
	(d) Calibration.	0050014	✓			Unit 001

FDEP Rule	GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(e) EPA Method 5.	0050014	✓			Unit 001
	(5) Determination of Process Variables.	0050014	✓			Unit 001
	(6) Required Stack Sampling Facilities					
	(a) Permanent Test Facilities.	0050014	✓			Unit 001
	(b) Temporary Test Facilities.	0050014		×		Unit 001
	(c) Test Facilities.	0050014	✓			Unit 001
62-297.310	1. Sampling Ports.	0050014	✓			Unit 001
	(d) Work Platforms.	0050014	✓			Unit 001
	(e) Access.	0050014	✓			Unit 001
	(f) Electrical Power.	0050014	✓			Unit 001
	(g) Sampling Equipment Support.	0050014	✓			Unit 001
	(7) Frequency of Compliance Tests.					
	(a) General Compliance Testing.	0050014	✓			Unit 001
	1. Compliance test requirement prior to obtaining operating permit.	0050014		×		Unit 001
	2. Annual test requirement for excess PM emissions.	0050014	✓			Unit 001
	3. Annual test requirement prior to obtaining renewal permit.	0050014	✓			Unit 001
	4.(a) Annual VE test,	0050014	✓			Unit 001
	(b) Annual test for lead, acrylonitrile and other regulated pollutants,	0050014		×		Unit 001
	(c) Annual test for each NESHAP pollutant	0050014		×		Unit 001
	5. No annual PM test required if burn no liquid and/or solid fuel for greater than 400 hrs/year.	0050014	✓			Unit 001
	6. Exemption from semi-annual PM test for steam generators.	0050014		×		Unit 001
	7. Exemption from quarterly PM test for units not utilizing liquid and/or solid fuel for more than 100 hrs.	0050014		×		Unit 001

GULF POWER - SMITH UNIT 1 FDEP APPLICABLE REQUIREMENTS LIST						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	8. Five year VE test requirement for units that operate no more than 400 hrs/year.	0050014		×		Unit 001
	9. Fifteen day advance notification requirement prior to test.	0050014	✓			Unit 001
	10. Compliance test exemption for exempt units and units utilizing a general permit.	0050014		×		Unit 001
62-297.310	(b) Special Compliance Tests.	0050014	✓		Applicable upon a complaint.	Unit 001
	(c) Waiver of Compliance Test Requirement.	0050014	✓		SO2 24 hour CEM/ FS&A program in lieu of annual compliance test.	Unit 001
	(8) Test Reports.	0050014	✓			Unit 001

## E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 1

Plant Lansing Smith Unit 1 Electric Utility Boiler

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	Stack
2. Emission Point Type Code :	2
3. Descriptions of Emission Points Comprising this Emissions Unit :	Smith Units 1 and 2 share a common stack
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :	001 Lansing Smith Unit 1 002 Lansing Smith Unit 2
5. Discharge Type Code :	V
6. Stack Height :	199 feet
7. Exit Diameter :	18.0 feet
8. Exit Temperature :	260 °F
9. Actual Volumetric Flow Rate :	984400 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate :	dscfm
12. Nonstack Emission Point Height :	feet
13. Emission Point UTM Coordinates :	Zone : 16 East (km) : 625.200 North (km) : 3349.100
14. Emission Point Comment :	

III. Part 7a - 1

## F. SEGMENT (PROCESS/FUEL) INFORMATION

**Emissions Unit Information Section**      1

Plant Lansing Smith Unit 1 Electric Utility Boiler

**Segment Description and Rate :**      Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :  Boiler fired with Pulverized Bituminous Coal. Emissions related to tons burned.	
2. Source Classification Code (SCC) :      1-01-002-12	
3. SCC Units :      Tons Burned (all solid fuels)	
4. Maximum Hourly Rate :      73.70	5. Maximum Annual Rate :      645,612.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur :      4.10	8. Maximum Percent Ash :      9.90
9. Million Btu per SCC Unit :      24	
10. Segment Comment :  Minimum MBTU per SCC unit is 23. Average MBTU is 24.	

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

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

**Emissions Unit Information Section**      1

Plant Lansing Smith Unit 1 Electric Utility Boiler

**Segment Description and Rate :**      Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Boiler fired with #2 fuel oil and "on spec." used oil. Emissions related to thousand gallons burned.	
2. Source Classification Code (SCC) :      1-01-005-01	
3. SCC Units :      Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate :      1.11	5. Maximum Annual Rate :      9,679.80
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur :      0.50	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :      138	
10. Segment Comment : The maximum % Ash is approximately 0.05 %. Item 8 above will not accept low % number.	



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

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
SO2			EL
SAM			NS
NOX			EL
CO			NS
PM	010	010	EL
PM10	010	010	NS
VOC			NS
H015			NS
H021			NS
H027			NS
H046			NS
PB			NS
H113			NS

III. Part 9a - 1

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

**Emissions Unit Information Section 1**  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
H114			NS
H133			NS
H047			NS
H014			NS
H151			NS
H017			NS
H169			NS
H162			NS
HCL			NS
H107			NS
H161			NS
H165			NS
H095			NS

III. Part 9a - 2

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	SO2		
2. Total Percent Efficiency of Control :	0.00	%	
3. Potential Emissions :	10,908.00	lb/hour	47,779.00 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	$38 (S\%=4.1) (.95) ( 73.7 \text{ tons/hr}) = 148.01 \text{ SO2 lbs/hr}$ $[148.01 \text{ lbs/ton}] [73.7 \text{ tons/hr.}] = 10908 \text{ SO2 lbs/hr}$ $(148.01) (73.7) [8760 \text{ hr/yr}] [1/2000 \text{ lb/ton}] = 47779 \text{ SO2 tons/yr.}$		
9. Pollutant Potential/Estimated Emissions Comment :	SO2 emissions shall not exceed 6.17 lb/MMbtu heat input. See 62-296.405 (1) (c) 2. d.		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	SAM		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	98.50	lb/hour	431.50 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	$38 \times (S\%) \times .00858 = 1.3367 \text{ lbs SAM/ton of coal @ 4.1\% Sulfur}$ $(1.3367) (73.7 \text{ tons/hr}) = 98.5 \text{ SAM lbs/hr}$ $(1.3367) (73.7) (8760) (1/2000) = 431.5 \text{ SAM tons/yr}$		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	NOX		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	1,061.30	lb/hour	4,648.40      tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	14.4 NOx lbs/ton of coal 14.4 (73.7 tons/hr) = 1061.3 NOx lbs/hr 14.4 (73.7) (8760) (1/2000) = 4648.4 NOx tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	CO		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	36.90	lb/hour	161.40      tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	0.5 CO lbs/ton of coal $0.50 (73.7 \text{ tons/hr}) = 36.9 \text{ CO lbs/hr}$ $0.50 (73.7) (8760) (1/2000) = 161.4 \text{ CO tons/hr}$		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	PM		
2. Total Percent Efficiency of Control :	98.00	%	
3. Potential Emissions :	58.40	lb/hour	255.70 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:			tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	<p>.08 (A%) = .792 PM lbs/ton of coal @ 9.9% ash                  .792 (73.7 tons/hr) = 58.4 PM lbs/hr                  .792 (73.7) (8760) (1/2000) = 255.67 PM tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	PM10		
2. Total Percent Efficiency of Control :	98.00	%	
3. Potential Emissions :	36.50	lb/hour	159.80 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:			tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	<p>.05 (A%) = .495 PM10 lbs/ton of coal @ 9.9% ash          .495 (73.7 tons/hr) = 36.48 PM10 lbs/hr          .495 (73.7) (8760) (1/2000) = 159.79 PM10 tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section** 1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	VOC		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	4.42	lb/hour	19.40 tons/year
4. Synthetically Limited? [ ] Yes [X] No			
5. Range of Estimated Fugitive/Other Emissions:			tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.06 VOC lbs/ton of coal .06 (73.7 ton/hr) = 4.42 VOC lbs/hr .06 (73.7) (8760) (1/2000) = 19.4 VOC tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

III. Part 9b - 7

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	H015		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	5		
8. Calculations of Emissions :	.000092 lbs arsenic/ton of coal .000092 (73.7 tons/hr) = .0068 lbs/hr .000092 (73.7) (8760) (1/20000 = .029 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	H021		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	5		
8. Calculations of Emissions :	.000103 lbs beryllium/ton of coal .000103 (73.7 tons/hr) = .0076 lbs/hr .000103 (73.3) (8760) (1/2000) = .033 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	H027		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	5		
8. Calculations of Emissions :	.000079 lbs cadmium/ton of coal .000079 (73.7 tons/hr) = .0058 lbs/hr .000079 (73.7) (8760) (1/2000) = .026 tons/hr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Pollutant Emitted :	H046		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.03	lb/hour	0.14 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	4		
8. Calculations of Emissions :	.0004496 lbs chromium/ton of coal .0004496 (73.7 tons/hr) = .033 lbs/hr .0004496 (7.3) (8760) (1/2000) = .145 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      12

1. Pollutant Emitted :	PB		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.02	lb/hour	0.08 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      EPRI-SR			
7. Emissions Method Code :	5		
8. Calculations of Emissions :	.000259 PB lbs/ton of coal .000259 (73.7 tons/hr) = .019 lbs/hr .000259 (73.7) (8760) (1/2000) = .084 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      13

1. Pollutant Emitted :	H113		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.04	lb/hour	0.18 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	5		
8. Calculations of Emissions :	.000542 lbs manganese/ton of coal .000542 (73.7 tons/hr) = .039 lbs/hr .000542 (73.3) (8760) (1/2000) = .175 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      14

1. Pollutant Emitted :	H114		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.05 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR + FCG		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.00014 lbs mercury/ton of coal .00014 (73.7 tons/hr) = .010 lbs/hr .00014 (73.7) (8760) (1/2000) = .045 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report and Florida Electric Power Coordinating Group		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      15

1. Pollutant Emitted :	H133		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.03	lb/hour	0.12 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      EPRI-SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.00036442 lbs nickel/ton of coal .00036442 (73.7 tons/hr) = .027 lbs/hr .00036442 (73.3) (8760) (1/2000) = .118 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      16

1. Pollutant Emitted :	H047		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.06 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:			to      tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000181 lbs cobalt/ton of coal          .000181 (73.3 tons/hr) = .013 lbs/hr          .000181 (73.3) (8760) (1/2000) = .058</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      17

1. Pollutant Emitted :	H014		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.01 tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Range of Estimated Fugitive/Other Emissions:	to tons/year		
6. Emissions Factor : Reference :      EPRI-SR			
7. Emissions Method Code :	4		
8. Calculations of Emissions :	,000028 lbs antimony/ton of coal .000028 (73.7 tons/hr) = .002 lbs/hr .000028 (73.3) (8760) (1/2000) = .009		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      18

1. Pollutant Emitted :	H151		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.02 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	AP-42		
7. Emissions Method Code :	3		
8. Calculations of Emissions :	<p>.000058 lbs polycyclic organic matter/ton of coal          ,000058 (73.3 tons/hr) = .004 lbs/hr          .000058 (73.3) (8760) (1/2000) = .0187 tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section** 1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :** Pollutant 19

1. Pollutant Emitted :	H017		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited? [ ] Yes [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to tons/year		
6. Emissions Factor : Reference : EPRI-SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.0000912 lbs benzene/ton of coal                  .0000912 (73.3 ton/hr) = .007 lbs/hr                  .0000912 (73.3) (8760) (1./2000) = .029 tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      20

1. Pollutant Emitted :	H169		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.01 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.000034 lbs toluene/ton of coal .000034 (73.7 ton/hr) = .0025lbs/hr .000034 (73.3) (8760) (1/2000) =.0109 ton/hr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      21

1. Pollutant Emitted :	H162		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.19	lb/hour	0.82 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.002541 lbs selenium/ton of coal .002541 (73.7 tons/hr) = .188 lb/hr .002541 (73.7) (8760) (1/2000) = .82 ton/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      22

1. Pollutant Emitted :	HCL		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	128.20	lb/hour	561.70 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : EPRI-SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	1.740104 HCL lbs/ton of coal 1.740104 (73.7 tons/hr = 128.2 lbs/yr 1.740104 (73.7) (8760) (1/20000 =561.7 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report @ 100%Cl in coal		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      23

1. Pollutant Emitted :	H107		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	12.44	lb/hour	54.49 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      GDW			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.168489 lbs hydrogen fluoride/ton of coal .168489 (73.7 tons/hr) = 12.44 lbs/hr .168489 (73.7) (8760) (1/2000) = 54.49 ton/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; G.Dwain Waters @ Gulf Power		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section** 1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :** Pollutant 24

1. Pollutant Emitted :	H161	
2. Total Percent Efficiency of Control :	%	
3. Potential Emissions :	lb/hour	tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions:	to	tons/year
6. Emissions Factor : Reference :      EPRI-SR		
7. Emissions Method Code :	2	
8. Calculations of Emissions :	<p>52.75 pCi radionuclides/grams of particulate emitted            52.75 (58.37lbs/hr) (454 g/lb) = 1,297873.9 pCi/hr            52.75 (58.37) (454) (8760) = 12,245,375,760 pCi/yr</p>	
9. Pollutant Potential/Estimated Emissions Comment :	<p>Source; EPRI Synthesis Report            Note emissions not emitted in lbs or tons</p>	

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      25

1. Pollutant Emitted :	H165		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.00 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI-SR		
7. Emissions Method Code :	4		
8. Calculations of Emissions :	<p>.0000000004 lbs 2,3,7,8-tetrachlorodibenzo-p-dioxin/ton of coal          .0000000004 (73.7 tons/hr) = .000000002 lbs/hr          .0000000004 (73.7) (8760) (1/2000) = .000000012 ton/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      1  
 Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      26

1. Pollutant Emitted :	H095		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.02 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000072 lbs formaldehyde/ton of coal          .000072 (73.7 tons/hr) = .0053 HCOH lbs/yr          .000072 (73.7) (8760) (1/2000) = .023 HCOH tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**Emissions Unit Information Section**                      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Information Section**                      1

**Allowable Emissions**                      1

1. Basis for Allowable Emissions Code :	RULE		
2. Future Effective Date of Allowable Emissions :			
3. Requested Allowable Emissions and Units :	6.17	lbs/MBTU	
4. Equivalent Allowable Emissions :	10,908.00	lb/hour	47,779.00 tons/year
5. Method of Compliance :	Daily 24 hour average based on CEM or FS&A Program. See SC12.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	62-296.405 (1) (c) 2.d. See Specific Condition 12 in existing permit relating to compliance to SO2 in Unit Additional Applicable Requirements section EUC1-12.		

**Emissions Unit Information Section**                      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Information Section**                      5

**Allowable Emissions**                      1

1. Basis for Allowable Emissions Code :	RULE		
2. Future Effective Date of Allowable Emissions :			
3. Requested Allowable Emissions and Units :	0.10	lbs/MBTU	
4. Equivalent Allowable Emissions :	176.80	lb/hour	744.40 tons/year
5. Method of Compliance :	Annual Method 17 Particulate Test.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	Particulate standard is .1 lb/MBTU in 62-296.405 (1) (b), and test method is in 62-296.405 (1) (e) 2. Please see Specific Condition 11 in existing permit in EUS1-12.		

**Emissions Unit Information Section**          1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Information Section**          3

**Allowable Emissions**          1

1. Basis for Allowable Emissions Code :	OTHER
2. Future Effective Date of Allowable Emissions :	01-Jan-2000
3. Requested Allowable Emissions and Units :	Phase II
4. Equivalent Allowable Emissions :	
	lb/hour    tons/year
5. Method of Compliance :	
	Annual average of CEM hourly data. (40 CFR Part 75)
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	
	Title IV Phase II NOx rules have not been completed to date by EPA. Rule requirement is 40 CFR 76. Monitoring requirement is 40 CFR 75.

**Emissions Unit Information Section**      1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Pollutant Information Section**      5

**Allowable Emissions**      2

1. Basis for Allowable Emissions Code :	RULE		
2. Future Effective Date of Allowable Emissions :			
3. Requested Allowable Emissions and Units :	0.30	lbs/MBTU	
4. Equivalent Allowable Emissions :	530.40	lb/hour	290.39 tons/year
5. Method of Compliance :	Annual Method 17 Particulate Test.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	Excess emissions under 62-210.700(3). Test method is 62-296.405(1)(e)2. Please see Specific Condition 11 in existing permit in EUS1-12.		



**I. VISIBLE EMISSIONS INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section**     1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Visible Emissions Subtype :	VES
2. Basis for Allowable Opacity :	RULE
3. Requested Allowable Opacity :	Normal Conditions :     40     % Exceptional Conditions :     60     % Maximum Period of Excess Opacity Allowed :     6     min/hour
4. Method of Compliance :	EPA Method 9
5. Visible Emissions Comment :	Rule 62-296.405

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section**    1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor    1

1. Parameter Code :    EM	2. Pollutant :
3. CMS Requirement :    RULE	
4. Monitor Information :  Manufacturer :    Spectrum Systems, Inc. Model Number :    43H Serial Number :    43H-43678-269	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Unit has elected to install and operate CEM for SO2 in lieu of monitoring emissions using fuel sampling and analysis under rule 62-296.405(1)(f)1. Additional requirements under 40CFR75.	

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section**    1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor    2

1. Parameter Code :    CO2	2. Pollutant :
3. CMS Requirement :    RULE	
4. Monitor Information :  Manufacturer :    SIEMENS Model Number :    Ultramat 5E Serial Number :    DO-665	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Spectrum Systems Model 300 Dilution Monitoring System uses the Siemens CO2 analyzer to measure the diluent component of the SO2 and NOX emission rate. Unit is required to monitor CO2 under 2-296.405(1)(f)1. and Title IV 40 CFR Part 75.	

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** 1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor 3

1. Parameter Code : EM	2. Pollutant :
3. CMS Requirement : RULE	
4. Monitor Information : Manufacturer : TECO Model Number : 42D Serial Number : 42D-40365-262	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Spectrum Systems Model 300 Dilution Monitoring System uses Siemens and Teco analyzers to calculate unit NOx emission rate. CEM required under Title IV 40 CFR Part 75.	

**J. CONTINUOUS MONITOR INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section** 1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor 4

1. Parameter Code : FLOW	2. Pollutant :
3. CMS Requirement : RULE	
4. Monitor Information :  Manufacturer : SIERRA Model Number : 650 Serial Number : SM-1A , SM-1B	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Spectrum Systems Model 300 Dilution Monitoring System uses heat input measurements from flow to calculate hourly emissions. CEM flow monitors are required under Title IV 40 CFR Part 75.	

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** 1  
Plant Lansing Smith Unit 1 Electric Utility Boiler

**Continuous Monitoring System** : Continuous Monitor 5

1. Parameter Code : VE	2. Pollutant :
3. CMS Requirement : RULE	
4. Monitor Information :  Manufacturer : LEAR SIEGLER Model Number : SS-4542 Serial Number : A-1931003, 001	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Unit required to monitor opacity under 62-296-405(1)(f)1.	

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

**Emissions Unit Information Section**          1    

Plant Lansing Smith Unit 1 Electric Utility Boiler

**PSD 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.
- ] 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.

2. Increment Consuming for Nitrogen Dioxide?

- ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM : U	SO2 : U	NO2 : U
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		



## L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### Emissions Unit Information Section 1

Plant Lansing Smith Unit 1 Electric Utility Boiler

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

1. Process Flow Diagram :	EUS1-1
2. Fuel Analysis or Specification :	EUS1-2
3. Detailed Description of Control Equipment :	EUS1-3
4. Description of Stack Sampling Facilities :	EUS1-4
5. Compliance Test Report :	EUS1-5
6. Procedures for Startup and Shutdown :	EUS1-6
7. Operation and Maintenance Plan :	NA
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 :	EUS1-10
11. Alterntive Modes of Operation (Emissions Trading) :	NA

III. Part 13 - 1

12. Identification of Additional Applicable Requirements :	EUS1-12
13. Compliance Assurance Monitoring Plan :	NA
14. Acid Rain Application (Hard-copy Required) :  <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">EUS1-14</div> <div style="width: 80%;"> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))  Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)  New Unit Exemption (Form No. 62-210.900(1)(a)2.)  Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) </div> </div>	

### III. EMISSIONS UNIT INFORMATION

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

Emissions Unit Information Section 2

Plant Lansing Smith Unit 2 Electric Utility Boiler

#### 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 :

- [ 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.

**B. GENERAL EMISSIONS UNIT INFORMATION  
(Regulated and Unregulated Emissions Units)**

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section :  Plant Lansing Smith Unit 2 Electric Utility Boiler		
2. Emissions Unit Identification Number : 002 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [X] Yes [ ] No	5. Emissions Unit Major Group SIC Code : 49
6. Emissions Unit Comment :  Lansing Smith Unit 2 is a tangentially fired,dry bottom boiler. The primary fuel is coal. Distillate #2 fuel oil and "on specification" used oil are combusted as secondary fuels.		

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Emissions Unit Control Equipment**      1

1. Description :

Hot Electrostatic Precipitator manufactured by Buell.  
Model # BAL2x34n333-4-3p

2. Control Device or Method Code :      10

III. Part 3 -      1

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

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Emissions Unit Control Equipment**      2

1. Description :

Cold Electrostatic Precipitator manufactured by GE - ESI  
Model # BE2.1X(2-12'S)(12)-30-111-4.3P

2. Control Device or Method Code :      10

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Emissions Unit Control Equipment**      3

1. Description :	
Low NOx burners manufactured by Foster Wheeler.	
2. Control Device or Method Code :	24

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

**Emissions Unit Information Section**                      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Emissions Unit Details**

1. Initial Startup Date :	09-Apr-1967	
2. Long-term Reserve Shutdown Date :		
3. Package Unit :		
Manufacturer :		Model Number :
4. Generator Nameplate Rating :	205      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 :	2042      mmBtu/hr
2. Maximum Incinerator Rate :	lb/hr                      tons/day
3. Maximum Process or Throughput Rate :	
4. Maximum Production Rate :	
5. Operating Capacity Comment :	
	Unit 2 is capable of full load on Coal with #2 fuel oil and "on-spec." used oil as secondary fuels. See Specific Condition 2 in permit in EUS2-12 regarding max heat input at 110% of item 1 above.

**Emissions Unit Operating Schedule**

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





**D. EMISSIONS UNIT REGULATIONS  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Rule Applicability Analysis**

Not Applicable

**Emissions Unit Information Section** 2

Plant Lansing Smith Unit 2 Electric Utility Boiler

**List of Applicable Regulations**

Title V Core List

Lansing Smith Unit 2 Federal-Regulation List (Sm2rule.EPA)

Lansing Smith Unit 2 State-Regulation List (Sm2rule.DEP)

III. Part 6b - 1

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

Effective : 3-21-96



# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

April 1, 1996

Owners  
Title V Sources

Dear Permittee:

Department records indicate that you operate a facility that is subject to Title V of the Clean Air Act. As you probably know, applications for Title V permits are due by June 15, 1996.


The Department has made numerous changes in its rules in recent months. Therefore, the Title V Core List, a list of rules that presumptively applies to each Title V source, has been updated and is provided for your convenience in completing the Title V application.

Enclosed you will also find a cross-reference of the old rule numbers and their new numbers.

Applicants are encouraged to use the new listing, however, to the extent that the applications have been completed by using the outdated rule references, it is not essential that the applications be changed.

If your facility is not subject to Title V, please disregard. If you do not know whether your facility is a Title V source or if you need additional information, please contact the Title V coordinator in Tallahassee for your geographical location as shown on the enclosure.

Sincerely,

  
John C. Brown, Jr., P.E.  
Administrator, Title V Section  
Bureau of Air Regulation

JCB/sk

Enclosures

# Title V Core List

Effective: 03/25/96

[Note: The Title V Core List is meant to simplify the completion of the "List of Applicable Regulations" for DEP Form No. 62-210.900(1), Application for Air Permit - Long Form. The Title V Core List is a list of rules to which all Title V Sources are presumptively subject. The Title V Core List may be referenced in its entirety, or with specific exceptions. The Department may periodically update the Title V Core List.]

***Federal:*** (description)

40 CFR 61: National Emission Standards for Hazardous Air Pollutants (NESHAP)  
40 CFR 61, Subpart M: National Emission Standard for Asbestos.

40 CFR 82: Protection of Stratospheric Ozone.  
40 CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC).  
40 CFR 82, Subpart F: Recycling and Emissions Reduction.

***State:*** (description)

**CHAPTER 62-4, F.A.C.: PERMITS, effective 10-16-95**

62-4.030, F.A.C.: General Prohibition.  
62-4.040, F.A.C.: Exemptions.  
62-4.050, F.A.C.: Procedure to Obtain Permits; Application.  
62-4.060, F.A.C.: Consultation.  
62-4.070, F.A.C.: Standards for Issuing or Denying Permits; Issuance; Denial.  
62-4.080, F.A.C.: Modification of Permit Conditions.  
62-4.090, F.A.C.: Renewals.  
62-4.100, F.A.C.: Suspension and Revocation.  
62-4.110, F.A.C.: Financial Responsibility.  
62-4.120, F.A.C.: Transfer of Permits.  
62-4.130, F.A.C.: Plant Operation - Problems.  
62-4.150, F.A.C.: Review.  
62-4.160, F.A.C.: Permit Conditions.  
62-4.210, F.A.C.: Construction Permits.  
62-4.220, F.A.C.: Operation Permit for New Sources.

**CHAPTER 62-103, F.A.C.: RULES OF ADMINISTRATIVE PROCEDURE, effective 12-31-95**

62-103.150, F.A.C.: Public Notice of Application and Proposed Agency Action.  
62-103.155, F.A.C.: Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

## **Title V Core List**

Effective: 03/25/96

### **CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL REQUIREMENTS, effective 03-21-96**

62-210.300, F.A.C.: Permits Required.

62-210.300(1), F.A.C.: Air Construction Permits.

62-210.300(2), F.A.C.: Air Operation Permits.

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

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

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

62-210.300(5), F.A.C.: Notification of Startup.

62-210.300(6), F.A.C.: Emissions Unit Reclassification.

62-210.350, F.A.C.: Public Notice and Comment.

62-210.350(3), F.A.C.: Additional Public Notice Requirements for Facilities Subject to Operation Permits for Title V Sources.

62-210.360, F.A.C.: Administrative Permit Corrections.

62-210.370(3), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility.

62-210.650, F.A.C.: Circumvention.

62-210.900, F.A.C.: Forms and Instructions.

62-210.900(1) Application for Air Permit - Long Form, Form and Instructions.

62-210.900(5) Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions.

### **CHAPTER 62-213, F.A.C.: OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION, effective 03-20-96**

62-213.205, F.A.C.: Annual Emissions Fee.

62-213.400, F.A.C.: Permits and Permit Revisions Required.

62-213.410, F.A.C.: Changes Without Permit Revision.

62-213.412, F.A.C.: Immediate Implementation Pending Revision Process.

62-213.420, F.A.C.: Permit Applications.

62-213.430, F.A.C.: Permit Issuance, Renewal, and Revision.

62-213.440, F.A.C.: Permit Content.

62-213.460, F.A.C.: Permit Shield.

62-213.900, F.A.C.: Forms and Instructions.

62-213.900(1) Major Air Pollution Source Annual Emissions Fee Form, Form and Instructions.

## **Title V Core List**

Effective: 03/25/96

**CHAPTER 62-256, F.A.C.: OPEN BURNING AND FROST PROTECTION FIRES, effective 11-30-94**

**CHAPTER 62-257, F.A.C.: ASBESTOS NOTIFICATION AND FEE, effective 03/24/96**

**CHAPTER 62-281, F.A.C.: MOTOR VEHICLE AIR CONDITIONING REFRIGERANT RECOVERY AND RECYCLING, effective 03-07-96**

**CHAPTER 62-296, F.A.C.: STATIONARY SOURCES - EMISSION STANDARDS, effective 03-13-96**

62-296.320(2), F.A.C.: Objectionable Odor Prohibited.

62-296.320(3), F.A.C.: Industrial, Commercial, and Municipal Open Burning Prohibited.

62-296.320(4)(c), F.A.C.: Unconfined Emissions of Particulate Matter.

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**Division of Air Resources Management  
Rule Repeals and Conforming Amendments  
Cross-Reference of Rule Number Changes**

March 24, 1996

Based on FAW Notices:      10/27/95 (effective 1/1/96 & 1/2/96)  
   12/15/96, 2/2/96, & 2/9/96 (effective 3/13/96)  
   1/26/96 (effective 3/24/96)

**Rules Moved or Renumbered**

**From:**

**To:**

**62-204:**

204.500	204.500(1)
204.500(1)-(4)	204.500(1)(a)-(d)
204.600	204.500(2)

**62-210:**

210.400(4)	212.600(3)
Fig. 210.400-1	212.600(3)(c)4. - figure replaced by equation
210.500 - except last sentence	204.220(4)

**62-212:**

212.200 - all definitions	210.200 - definitions merged in as needed
212.400(6)-(8) and below	212.400(7)-(9) and below
212.410(1)(a)-(d)	212.400(6)(a)1.-4.
212.410(2)	212.400(6)(b)
212.410(3)(a) and below	212.400(6)(c) - amended to cite CFR
212.410(3)(b) and below	212.400(6)(c)1. - amended to cite CFR
212.410(3)(c)	212.400(6)(c)2.
212.410(4)(a)-(b)	212.400(6)(d)1.-2.
212.500(7) and below	212.500(8) and below
212.510(1)(a)-(c)	212.500(7)(a)1.-3.
212.510(2)-(3)	212.500(7)(b)-(c)
212.700(1)-(2)	210.300(6)(a)-(b)



DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-213:**

213.200 - all definitions  
213.210

210.200 - definitions merged in as needed  
213.205(5)

**62-214:**

214.200 - all definitions

210.200 - definitions merged in as needed

**62-215:**

215.220(1)  
215.220(1)(a)-(c)  
215.220(2)  
215.220(3)(a)-(b)  
215.220(4)  
215.220(5)(a)-(d)  
215.230  
215.230(1)-(10)  
215.230(11)(a)-(d)  
215.230(12)  
215.230(12)(a)-(d)  
215.230(13)(a)-(b)  
215.230(14)  
215.230(14)(a)-(b)  
215.230(15)  
215.230(16)  
215.230(16)(a)  
215.230(16)(b)  
215.230(17)-(19)  
215.300(1)  
215.900(1)

213.300(2)(a)  
213.300(2)(a)1.-3.  
213.300(2)(b)  
213.300(2)(c)1.-2.  
213.300(2)(d)  
213.300(2)(e)1.-4.  
213.300(3)  
213.300(3)(a)-(j)  
213.300(3)(k)1.-4.  
213.300(3)(l)1.  
213.300(3)(l)2.-5.  
213.300(3)(m)1.-2.  
213.300(3)(n)1.  
213.300(3)(n)2.-3.  
213.300(3)(o)  
213.300(3)(p)1.  
213.300(3)(p)1. - last sentence  
213.300(3)(p)2.  
213.300(3)(q)-(s)  
213.300(1)(a)  
213.900(2)

**62-257:**

257.300  
257.301(1)-(5) and below  
257.350

257.301(1)  
257.301(2)-(6) and below  
204.800(8)(b)8.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-272:**

272.100	204.100(1)
272.200 - all definitions	204.200 - definitions merged in as needed
272.300(2) - except last sentence	204.220(1)
272.300(2) - last sentence	204.220(3)
272.300(3)(a)1.-3.	204.240(1)(a)-(c)
272.300(3)(b)1.-2.	204.240(2)(a)-(b)
272.300(3)(c)1.-2.	204.240(3)(a)-(b)
272.300(3)(d)1.	204.240(4)
272.300(3)(d)1.a.-c.	204.240(4)(a)-(c)
272.300(3)(e)1.	204.240(5)
272.300(3)(f)1.	204.240(6)
272.500	204.260
272.500(1)(a)-(b) and below	204.260(1)(a)-(b) and below
272.500(1)(c)1.	204.260(1)(c)
272.500(2)(a)-(b) and below	204.260(2)(a)-(b) and below
272.500(2)(c)1.	204.260(2)(c)
272.500(3)(a)-(b) and below	204.260(3)(a)-(b) and below
272.500(3)(c)1.	204.260(3)(c)

**62-275:**

275.100	204.100(2)
275.200 - all definitions	204.200 - definitions merged in as needed
275.300 and below	204.320 and below
275.400(1)-(5)	204.340(1)(a)-(e)
275.410(1)	204.340(2)(a) - amended to delete ozone areas
275.410(2)-(7)	204.340(2)(b)-(g)
275.420(1)	204.340(3)(a)
275.420(2)(a)-(d)	204.340(3)(b)1.-4.
275.420(3)	204.340(3)(c)
275.600(1)(a)	204.340(4)(a)1.
275.600(1)(b)	204.340(4)(a)2.-4. - amended to add ozone areas
275.600(3)(a)-(b)	204.340(4)(b)1.-2.
275.600(4)-(5)	204.340(4)(c)-(d)
275.700(1)-(3) and below	204.360(1)-(3) and below
275.800(1) and below	204.360(4) and below
275.800(2) and below	204.360(5) and below

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-296:**

296.200 - all definitions	210.200 - definitions merged in as needed
296.310	296.320(4)
296.310(1)	296.320(4)(a)
296.310(1)(a)1.-3.	296.320(4)(a)1.a.-c.
296.310(1)(b)	296.320(4)(a)2.
296.310(1)(c)	296.320(4)(a)3.
296.310(1)(c)1.a.-b.	296.320(4)(a)3.a.(i)-(ii)
296.310(1)(c)2.a.-b.	296.320(4)(a)3.b.(i)-(ii)
296.310(1)(c)3.	296.320(4)(a)3.c.
Table 296.310-1	Table 296.320-1
296.310(2)(a) - first sentence	296.320(4)(b)1.
296.310(2)(a) - remaining sentences	296.320(4)(b)2. - amended to clarify intent
296.310(2)(a)1.-3.	296.320(4)(b)2.a.-c.
296.310(2)(b)	296.320(4)(b)3.
296.310(2)(c)1.-2.	296.320(4)(b)4.a.-b.
296.310(3)(a)-(b)	296.320(4)(c)1.-2.
296.310(3)(c)1.-8.	296.320(4)(c)3.a.-h.
296.310(3)(d)	296.320(4)(c)4.
296.800(1)	204.800(7)(a)
296.800(2)(a)	204.800(7)(b)
296.800(2)(a)1.-68.	204.800(7)(b)1.-68.
296.800(2)(b)	204.800(7)(c)
296.800(3)	204.800(7)(d)
296.800(4)	204.800(7)(e)
296.800(4)(a)-(e)	204.800(7)(e)1.-5.
296.810(1)	204.800(8)(a)
296.810(2)(a)	204.800(8)(b)
296.810(2)(a)1.-7.	204.800(8)(b)1.-7.
296.810(2)(a)8.-14.	204.800(8)(b)9.-15.
296.810(2)(b)	204.800(8)(c)
296.810(3)	204.800(8)(d)
296.810(4)	204.800(8)(e)
296.810(4)(a)-(c)	204.800(8)(e)1.-3.
296.820(1)	204.800(9)(a)
296.820(2)(a)	204.800(9)(b)
296.820(2)(a)1.-5.	204.800(9)(b)1.-5.
296.820(2)(b)	204.800(9)(c)
296.820(3)	204.800(9)(d)
296.820(3)(a)-(d)	204.800(9)(d)1.-4.
296.820(4)	204.800(9)(e)
296.820(4)(a)-(b)	204.800(9)(e)1.-2.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-297:**

297.200 - all definitions	210.200 - definitions merged in as needed
297.310(4)	297.310(9)
297.330(1)	297.310(4)(a)
297.330(1)(a)-(b)	297.310(4)(a)1.-2.
297.330(1)(b)1.-3.	297.310(4)(a)2.a.-c.
297.330(2)-(5)	297.310(4)(b)-(e)
Table 297.330-1	Table 297.310-1
297.340(1)	297.310(7)(a)
297.340(1)(a)-(b)	297.310(7)(a)1.-2.
297.340(1)(c)	297.310(7)(a)3.
297.340(1)(c)1.-2.	297.310(7)(a)3.a.-b.
297.340(1)(d)	297.310(7)(a)4.
297.340(1)(d)1.	297.310(7)(a)4.a.
297.340(1)(d)2.a.-c.	297.310(7)(a)4.b. - lang. combined in one paragraph
297.340(1)(d)3.	297.310(7)(a)4.c.
297.340(1)(e)-(j)	297.310(7)(a)5.-10.
297.340(2)-(3)	297.310(7)(b)-(c)
297.345	297.310(6)
297.345(1)-(2)	297.310(6)(a)-(b)
297.345(3)(a)1.-5.	297.310(6)(c)1.-5.
297.345(3)(b)1.-4.	297.310(6)(d)1.-4.
297.345(3)(c)1.-2.	297.310(6)(e)1.-2.
297.345(3)(d)1.-2.	297.310(6)(f)1.-2.
297.345(3)(e)1.	297.310(6)(g)1.
297.345(3)(e)1.a.-c.	297.310(6)(g)1.a.-c.
297.345(3)(e)2.-3.	297.310(6)(g)2.-3.
297.350(1)-(2)	297.310(5)(a)-(b)
297.400(1)	297.401 - last two sentences
297.420(1)	297.401(9)(c)1.
297.420(2)(a)-(b)	297.401(9)(c)2.a.-b.
297.570(1)-(3)	297.310(8)(a)-(c)
297.570(3)(a)-(u)	297.310(8)(c)1.-21.

### Rules Fully Repealed, Not Moved

<u>Rule Repealed:</u>	<u>Comment:</u>
204.300	Definition of "SIP" expanded in 204.200
209.100-.800	Entire chapter 62-209 repealed; to be implemented by guidance
210.400(1)-(3) 210.500 last sentence 210.600 210.980	
213.220	Restates statute
215.100 215.200 215.240 215.300(2)-(6) 215.900(2)	Reproposed at 213.300(4) (FAW notice 3/8/96) Reproposed as part of Form 62-213.900(2) (FAW notice 3/8/96)
242.300	Definition of "Program Area" expanded in 242.200
243.700	Restates statute
244.100-.600	Entire chapter 62-244 repealed; to be implemented by guidance
252.800	Restates statute
257.401	Restates statute
272.300(1) 272.750(1) 272.750(2) Figure 272.750-1	Moved to document adopted by reference at 212.600(2)(c) Included in document adopted by reference at 212.600(2)(c)
273.200-.600	Entire chapter 62-273 repealed; considered obsolete
275.410(1)(a)-(c) 275.600(2)	Repealed in response to EPA approval of redesignations

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

<b><u>Rule Repealed:</u></b>	<b><u>Comment:</u></b>
296.330 296.400	Definition of "BACT" in 210.200 to be used in lieu of rule Language of "Purpose and Scope" at 296.100 expanded
Figure 297.345-1  297.400(2) 297.411 297.412 297.413 297.414 297.415 Figure 297.415-1 Figure 297.415-2 Figure 297.415-3 297.416 297.417 297.418 297.419 297.421 297.422 297.423 297.424	Replaced by text at 297.345(3)(e)1.a.-c., effective 1/1/96; then moved to 297.310(6)(g)1.a.-c., effective 3/13/96)

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# FLORIDA COUNTY LISTING WITH ASSOCIATED FEE REVIEW CONTACT

Northeast & Northwest Districts: Jonathan Holtom / Ed Svec  
 South & Southwest Districts: Charles Logan / Lennon Anderson  
 Central & Southeast Districts: Tom Cascio / Steve Welsh  
 General Fee Questions - All Districts: Bruce Mitchell  
 Contact at: (904) 488-1344

Florida County Code	County Name	FIPS County Code	Contact Engineer
1	Alachua	001	Holtom / Svec
2	Baker	003	Holtom / Svec
3	Bay	005	Holtom / Svec
4	Bradford	007	Holtom / Svec
5	Brevard	009	Cascio / Welsh
6	Broward	011	Cascio / Welsh
7	Calhoun	013	Holtom / Svec
8	Charlotte	015	Logan / Anderson
9	Citrus	017	Logan / Anderson
10	Clay	019	Holtom / Svec
11	Collier	021	Logan / Anderson
12	Columbia	023	Holtom / Svec
13	Dade	025	Cascio / Welsh
14	DeSoto	027	Logan / Anderson
15	Dixie	029	Holtom / Svec
16	Duval	031	Holtom / Svec
17	Escambia	033	Holtom / Svec
18	Flagler	035	Holtom / Svec
19	Franklin	037	Holtom / Svec
20	Gadsden	039	Holtom / Svec
21	Gilchrist	041	Holtom / Svec
22	Glades	043	Logan / Anderson
23	Gulf	045	Holtom / Svec
24	Hamilton	047	Holtom / Svec
25	Hardee	049	Logan / Anderson
26	Hendry	051	Logan / Anderson
27	Hernando	053	Logan / Anderson
28	Highlands	055	Logan / Anderson
29	Hillsborough	057	Logan / Anderson
30	Holmes	059	Holtom / Svec
31	Indian River	061	Logan / Anderson
32	Jackson	063	Holtom / Svec
33	Jefferson	065	Holtom / Svec
34	LaFayette	067	Holtom / Svec

Florida County Code	County Name	FIPS County Code	Contact Engineer
35	Lake	069	Cascio / Welsh
36	Lee	071	Logan / Anderson
37	Leon	073	Holtom / Svec
38	Levy	075	Holtom / Svec
39	Liberty	077	Holtom / Svec
40	Madison	079	Holtom / Svec
41	Manatee	081	Logan / Anderson
42	Marion	083	Cascio / Welsh
43	Martin	085	Cascio / Welsh
44	Monroe	087	Logan / Anderson
45	Nassau	089	Holtom / Svec
46	Okaloosa	091	Holtom / Svec
47	Okeechobee	093	Cascio / Welsh
48	Orange	095	Cascio / Welsh
49	Osceola	097	Cascio / Welsh
50	Palm Beach	099	Cascio / Welsh
51	Pasco	101	Logan / Anderson
52	Pinellas	103	Logan / Anderson
53	Polk	105	Logan / Anderson
54	Putnam	107	Holtom / Svec
55	Saint Johns	109	Holtom / Svec
56	Saint Lucie	111	Cascio / Welsh
57	Santa Rose	113	Holtom / Svec
58	Sarasota	115	Logan / Anderson
59	Seminole	117	Cascio / Welsh
60	Sumter	119	Logan / Anderson
61	Suwannee	121	Holtom / Svec
62	Taylor	123	Holtom / Svec
63	Union	125	Holtom / Svec
64	Volusia	127	Cascio / Welsh
65	Wakulla	129	Holtom / Svec
66	Walton	131	Holtom / Svec
67	Washington	133	Holtom / Svec

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
<b>Part 60 - EPA Regulations on Standards of Performance for New Stationary Sources</b>						
Subpart A — General Provisions						
60.7	Notification and record keeping.	0050014		×		Unit 002
60.8	Performance tests.	0050014		×		Unit 002
60.11	Compliance with standards and maintenance requirements.	0050014		×		Unit 002
60.12	Circumvention.	0050014		×		Unit 002
60.13	Monitoring requirements	0050014		×		Unit 002
60.19	General notifications and reporting requirements	0050014		×		Unit 002
Subpart D — Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971						
60.42	Standard for particulate matter.	0050014		×		Unit 002
60.43	Standard for sulfur dioxide.	0050014		×		Unit 002
60.44	Standard for nitrogen oxides.	0050014		×		Unit 002
60.45	Emission and fuel monitoring.	0050014		×		Unit 002
60.46	Test methods and procedures.	0050014		×		Unit 002
Subpart Da — Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978						
60.42a	Standard for particulate matter.	0050014		×		Unit 002
60.43a	Standard for sulfur dioxide.	0050014		×		Unit 002
60.44a	Standard for nitrogen oxides.	0050014		×		Unit 002
60.45a	Commercial demonstration permit.	0050014		×		Unit 002
60.46a	Compliance provisions.	0050014		×		Unit 002
60.47a	Emission monitoring.	0050014		×		Unit 002



EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
60.48a	Compliance determination procedures and methods.	0050014		×		Unit 002
60.49a	Reporting requirements.	0050014		×		Unit 002
Subpart Db — Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units						
60.42b	Standard for sulfur dioxide.	0050014		×		Unit 002
60.43b	Standard for particulate matter.	0050014		×		Unit 002
60.44b	Standard for nitrogen oxides.	0050014		×		Unit 002
60.45b	Compliance and performance test methods and procedures for sulfur dioxide.	0050014		×		Unit 002
60.46b	Compliance and performance test methods and procedures for particulate matter and nitrogen oxides.	0050014		×		Unit 002
60.47b	Emission monitoring for sulfur dioxide.	0050014		×		Unit 002
60.48b	Emission monitoring for particulate matter and nitrogen oxides.	0050014		×		Unit 002
60.49b	Reporting and recordkeeping.	0050014		×		Unit 002
Subpart Dc — Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units						
60.42c	Standard for sulfur dioxide.	0050014		×		Unit 002
60.43c	Standard for particulate matter.	0050014		×		Unit 002
60.44c	Compliance and performance test methods and procedures for sulfur dioxide.	0050014		×		Unit 002
60.45c	Compliance and performance test methods and procedures for particulate matter.	0050014		×		Unit 002
60.46c	Emission monitoring for sulfur dioxide.	0050014		×		Unit 002
60.47c	Emission monitoring for particulate matter.	0050014		×		Unit 002
60.48c	Reporting and recordkeeping.	0050014		×		Unit 002

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
Subpart K — Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978						
60.112	Standard for volatile organic compounds (VOC).	0050014		×		Unit 002
60.113	Monitoring of operations.	0050014		×		Unit 002
Subpart Ka — Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984						
60.112a	Standard for volatile organic compounds (VOC).	0050014		×		Unit 002
60.113a	Testing and procedures.	0050014		×		Unit 002
60.114a	Alternative means of emission limitations.	0050014		×		Unit 002
60.115a	Monitoring of operations.	0050014		×		Unit 002
Subpart Kb — Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984						
60.112b	Standard for volatile organic compounds (VOC).	0050014		×		Unit 002
60.113b	Testing and procedures.	0050014		×		Unit 002
60.114b	Alternative means of emission limitations.	0050014		×		Unit 002
60.115b	Recordkeeping and reporting requirements.	0050014		×		Unit 002
60.116b	Monitoring of operations.	0050014		×		Unit 002
Subpart Y — Standards of Performance for Coal Preparation Plants						
60.252	Standard for particulate matter.	0050014		×		Unit 002
60.253	Monitoring of operations.	0050014		×		Unit 002
60.254	Test methods and procedures.	0050014		×		Unit 002
Subpart GG — Standards of Performance for Stationary Gas Turbines						
60.332	Standard for nitrogen oxides.	0050014		×		Unit 002

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
60.333	Standard for sulfur dioxide.	0050014		×		Unit 002
60.334	Monitoring of operations.	0050014		×		Unit 002
60.335	Test methods and procedures.	0050014		×		Unit 002
Subpart 000 — Standards of Performance for Nonmetallic Mineral Processing Plants						
60.672	Standard for Particulate Matter.	0050014		×		Unit 002
60.674	Monitoring of Operations.	0050014		×		Unit 002
60.676	Reporting and Recordkeeping.	0050014		×		Unit 002
<b>Part 61 - EPA Regulations on National Emission Standards for Hazardous Air Pollutants</b>						
Subpart A — General Provisions						
61.05	Prohibited Activities.	0050014	✓			Facility
61.09	Notification of Startup.	0050014		×		Facility
61.10	Source Reporting and Request for Waiver of Compliance.	0050014		×		Facility
61.11	Waiver of Compliance.	0050014		×		Facility
61.12(b)	Compliance with Standards and Maintenance Requirements.	0050014	✓			Facility
61.13	Emission Tests and Waiver of Emission Tests.	0050014		×		Facility
61.14	Monitoring Requirements.	0050014		×		Facility
61.19	Circumvention.	0050014		×		Facility
Subpart M — National Emission Standards for Asbestos		0050014	✓			Facility
Appendix C to Part 61 — Quality Assurance Procedures		0050014	✓			Facility
<b>Part 63 - EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories</b>						
Subpart A — General Provisions						
63.4	Prohibited Activities and Circumvention.	0050014		X		Unit 002

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
63.6	Compliance with Standards and Maintenance Requirements.	0050014		×		Unit 002
63.7	Performance Testing Requirements.	0050014		×		Unit 002
63.8	Monitoring Requirements.	0050014		×		Unit 002
63.9	Notification Requirements.	0050014		×		Unit 002
63.10	Reporting and Recordkeeping Requirements.	0050014		×		Unit 002
63.11	Control Device Requirements.	0050014		×		Unit 002
Subpart Q — National Emission Standards for Industrial Process Cooling Towers						
63.402	Standard.	0050014		×		Unit 002
63.403	Compliance Dates.	0050014		×		Unit 002
63.404	Compliance Demonstrations.	0050014		×		Unit 002
63.405	Notification Requirements.	0050014		×		Unit 002
63.406	Recordkeeping and Reporting Requirements.	0050014		×		Unit 002
Subpart T — National Emission Standards for Halogenated Solvent Cleaning						
63.462	Batch Cold Cleaning Machine Standards.	0050014		×		Unit 002
63.463	Batch Vapor and In-Line Cleaning Machine Standards.	0050014		×		Unit 002
63.464	Alternative Standards.	0050014		×		Unit 002
63.465	Test Methods.	0050014		×		Unit 002
63.466	Monitoring Procedures.	0050014		×		Unit 002
63.467	Recordkeeping Requirements.	0050014		×		Unit 002
63.468	Reporting Requirements.	0050014		×		Unit 002
<b>Part 72 - EPA Acid Rain Program Permits</b>						
Subpart A — General Provisions						

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
72.7	New Units Exemption.	0050014		×		Unit 002
72.8	Retired Units Exemption.	0050014		×		Unit 002
72.9	Standard Requirements.	0050014	✓			Unit 002
Subpart B — Designated Representative						
72.20	Authorization and Responsibilities of the Designated Representative	0050014	✓			Unit 002
72.21	Submissions.	0050014	✓			Unit 002
72.22	Alternate Designated Representative.	0050014	✓			Unit 002
72.23	Changing the Designated Representative, Alternate Designated Representative; Changes in the Owners and Operators.	0050014	✓			Unit 002
Subpart C — Acid Rain Applications						
72.30	Requirements to Apply.	0050014	✓			Unit 002
72.32	Permit Applications Shield and Binding Effect of Permit Application.	0050014	✓			Unit 002
72.33	Identification of Dispatch System.	0050014	✓			Unit 002
Subpart D — Acid Rain Compliance Plan and Compliance Options						
72.40	General.	0050014	✓			Unit 002
72.41	Phase I Substitution Plans.	0050014	✓		Withdrawn Substitution Unit	Unit 002
72.42	Phase I Extension Plans.	0050014		×		Unit 002
72.43	Phase I Reduced Utilization Plans.	0050014		×		Unit 002
72.44	Phase II Repowering Extensions.	0050014		×		Unit 002
Subpart E — Acid Rain Permit Contents						
72.51	Permit Shield.	0050014	✓			Unit 002
Subpart I - Compliance Certification						

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
72.90	Annual Compliance Certification Report.	0050014	✓			Unit 002
72.91	Phase I Unit Adjusted Utilization.	0050014		×		Unit 002
72.92	Phase I Unit Allowance Surrender.	0050014		×		Unit 002
72.93	Units with Phase I Extension Plans.	0050014		×		Unit 002
72.94	Units with Repowering Extension Plans.	0050014		×		Unit 002
<b>Part 73 - EPA Acid Rain Program Sulfur Dioxide Allowance System</b>						
Subpart C — Allowance Tracking System						
73.33 (c)(d)(e)	Authorized Account Representative	050014	✓			Unit 002
73.35	Compliance.	0050014	✓			Unit 002
<b>Part 75 - EPA Acid Rain Program For Continuous Emission Monitoring</b>						
Subpart A — General						
75.4	Compliance Dates.	0050014	✓			Unit 002
75.5	Prohibitions.	0050014	✓			Unit 002
Subpart B — Monitoring Provisions						
75.10	General Operating Requirements.	0050014	✓			Unit 002
75.11	Specific Provisions for Monitoring SO <sub>2</sub> Emissions (SO <sub>2</sub> and Flow Monitors).	0050014	✓			Unit 002
75.12	Specific Provisions for Monitoring NO <sub>x</sub> Emissions (NO <sub>x</sub> and Diluent Gas Monitors).	0050014	✓			Unit 002
75.13	Specific Provisions for Monitoring CO <sub>2</sub> Emissions.	0050014	✓			Unit 002
75.14	Specific Provisions for Monitoring Opacity.	0050014	✓			Unit 002
75.15	Specific Provisions for Monitoring SO <sub>2</sub> Emissions Removal by Qualifying Phase I Technology.	0050014		×		Unit 002

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
75.16	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for SO <sub>2</sub> Emissions and Heat Input Determinations.	0050014		×		Unit 002
75.17	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for NO <sub>x</sub> Emission Rate.	0050014		×		Unit 002
75.18	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for Opacity.	0050014		×		Unit 002
Subpart C — Operation and Maintenance Requirements						
75.20	Certification and Recertification Procedures.	0050014	✓			Unit 002
75.21	Quality Assurance and Quality Control Requirements.	0050014	✓			Unit 002
75.22	Reference Test Methods.	0050014	✓			Unit 002
75.24	Out-of-Control Periods.	0050014	✓			Unit 002
Subpart D — Missing Data Substitution Procedures						
75.30	General Provisions.	0050014	✓			Unit 002
75.31	Initial Missing Data Procedures.	0050014	✓			Unit 002
75.32	Determination of Monitor Data Availability for Standard Missing Data Procedures.	0050014	✓			Unit 002
75.33	Standard Missing Data Procedures.	0050014	✓			Unit 002
75.34	Units with Add-On Emission Controls.	0050014		×		Unit 002
75.35	Missing Data Procedures for CO <sub>2</sub>	0050014	✓			Unit 002
75.36	Missing Data Procedures for Heat Input	0050014	✓			Unit 002
Subpart E — Alternative Monitoring Systems						
75.40	General Demonstration Requirements.	0050014		×		Unit 002
75.41	Precision Criteria.	0050014		×		Unit 002
75.42	Reliability Criteria.	0050014		×		Unit 002

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
75.43	Accessibility Criteria.	0050014		×		Unit 002
75.44	Timeliness Criteria.	0050014		×		Unit 002
75.45	Daily Quality Assurance Criteria.	0050014		×		Unit 002
75.46	Missing Data Substitution Criteria.	0050014		×		Unit 002
75.47	Criteria for a Class of Affected Units.	0050014		×		Unit 002
75.48	Petition for an Alternative Monitoring System.	0050014		×		Unit 002
Subpart F — Recordkeeping Requirements						
75.50	General Recordkeeping Provisions.	0050014	✓			Unit 002
75.51	General Recordkeeping Provisions for Specific Situations.	0050014		×		Unit 002
75.52	Certification, Quality Assurance, and Quality Control Record Provisions.	0050014	✓			Unit 002
75.53	Monitoring Plan.	0050014	✓			Unit 002
75.54	General Recordkeeping Provisions	0050014	✓			Unit 002
75.55	General Recordkeeping Provisions for Special Situations	0050014	✓			Unit 002
75.56	Certification, Quality Assurance and Quality Control Record Provision	0050014	✓			Unit 002
Subpart G — Reporting Requirements						
75.60	General Provisions.	0050014	✓			Unit 002
75.61	Notification of Certification and Recertification Test Dates.	0050014	✓			Unit 002
75.62	Monitoring Plan.	0050014	✓			Unit 002
75.63	Certification or Recertification Applications.	0050014	✓			Unit 002
75.64	Quarterly Reports.	0050014	✓			Unit 002
75.65	Opacity Reports.	0050014	✓			Unit 002



EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
Appendix A to Part 75 — Specifications and Test Procedures		0050014	✓			Unit 002
Appendix B to Part 75 — Quality Assurance and Quality Control Procedures		0050014	✓			Unit 002
Appendix C to Part 75 — Missing Data Statistical Estimation Procedures		0050014	✓			Unit 002
Appendix D to Part 75 — Optional SO <sub>2</sub> Emissions Data Protocol for Gas-Fired Units and Oil-Fired Units		0050014		×		Unit 002
Appendix E to Part 75 — Optional NO <sub>x</sub> Emissions Estimation Protocol for Gas-Fired Peaking Units and Oil-Fired Peaking Units		0050014		×		Unit 002
<b>EPA Part 76 - Acid Rain Nitrogen Oxides Emission Reduction Program</b>						
76.5	NO <sub>x</sub> Emission Limitations for Group 1 Boilers.	0050014	✓			Unit 002
76.8	Early Election for Group 1, Phase II Boilers.	0050014	✓		Possible Option for Smith Units	Unit 002
76.9	Permit Applications and Compliance Plans.	0050014	✓			Unit 002
76.10	Alternative Emission Limitations.	0050014	✓			Unit 002
76.11	Emissions Averaging.	0050014	✓			Unit 002
76.12	Phase I NO <sub>x</sub> Compliance Extensions.	0050014		×		Unit 002
76.13	Compliance and Excess Emissions	0050014	✓			Unit 002
76.14	Monitoring, Recordkeeping, and Reporting.	0050014	✓		Applicable only if AEL requested in Phase II	Unit 002
76.15	Test Methods and Procedures.	0050014	✓		Applicable only if AEL requested in Phase II	Unit 002
<b>EPA Part 77 - Excess Emissions</b>						
77.3	Offset Plans	0050014	✓		May apply in the future.	Unit 002
77.5(b)	Deduction of Allowances	0050014	✓		May apply in the future.	Unit 002

EPA Rule	GULF POWER - SMITH UNIT 2 EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
77.6	Excess Emission Penalties for SO2 and Nox; and	0050014	✓		May apply in the future.	Unit 002
<b>EPA Part 82 - Protection Of Stratospheric Ozone</b>						
Subpart B - Servicing of Motor Vehicle Air Conditioners						
82.34	Prohibitions.	0050014		×		Facility
82.36	Approved refrigerant recycling equipment.	0050014		×		Facility
82.38	Approved independent standards testing organizations.	0050014		×		Facility
82.40	Technician training and certification.	0050014		×		Facility
82.42	Certification, recordkeeping and public notification requirements.	0050014		×		Facility
Subpart F - Recycling and Emissions Reduction						
82.154	Prohibitions.	0050014		×		Facility
82.156	Required practice.	0050014		×		Facility
82.158	Standards for recycling and recovery equipment.	0050014		×		Facility
82.160	Approved equipment testing organizations.	0050014		×		Facility
82.161	Technician certification.	0050014		×		Facility
82.162	Certification by owners of recovery and recycling equipment.	0050014		×		Facility
82.164	Reclaimer certification.	0050014		×		Facility
82.166(k)(m)	Reporting and recordkeeping requirements for owners/operators.	0050014		×	Facility has no units >50 lbs.	Facility
40 CFR 279.72	Used Oil Regulations	0050014	✓		Facility burns on-spec used oil.	Unit 001/ Facility

<b>GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
<b>Chapter 62-4 Permits</b>						
62-4.030	General Prohibition.	0050014	✓		State Only	Facility
62-4.100	Suspension and Revocation.	0050014	✓		State Only	Facility
62-4.040(1)	Exemptions	0050014	✓		State Only	Facility
62-4.130	Plant Operation - Problems.	0050014	✓		State Only	Facility
<b>Chapter 62-204 State Implementation Plan</b>						
62-204.800	Standards of Performance for New Stationary Sources (NSPS) (see 40 CFR 60 list for subsections).					
	(7) Standards Adopted.	0050014		×	State only.	Unit 002
	(b) The following Standards of Performance for New Stationary Sources contained in 40 CFR 60, revised as of July 1, 1994, or later as specifically indicated.	0050014		×	State only.	Unit 002
	1. 40 CFR 60.40 Subpart D, Fossil-fuel-fired Steam Generators for which Construction is Commenced after August 17, 1971.	0050014		×	State only.	Unit 002
	2. 40 CFR 60.40a Subpart Da, Electric Utility Steam Generators for which Construction is Commenced after September 18, 1978.	0050014		×	State only.	Unit 002
	3. 40 CFR 60.40b Subpart Db, Industrial-Commercial-Institutional Steam Generating Units.	0050014		×	State only.	Unit 002
	4. 40 CFR 60.40c Subpart Dc, Small Industrial-Commercial-Institutional Steam Generating Units.	0050014		×	State only.	Unit 002
	12. 40 CFR 60.110 Subpart K, Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after June 11, 1973, and prior to May 19, 1978.	0050014		×	State only.	Unit 002
	13. 40 CFR 60.110a Subpart Ka, Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after May 18, 1978, and prior to July 23, 1984.	0050014		×	State only.	Unit 002

<b>GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST</b>		<b>Facility Emission Unit Identification Number(s)</b>	<b>Applicable Requirement</b>		<b>Comments/Discussion</b>	<b>Unit/Facility Potential Applicability</b>
<b>FDEP Rule</b>	<b>FDEP Title</b>		<b>Yes</b>	<b>No/NA</b>		
62-204.800	14. 40 CFR 60.110b Subpart Kb, Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.	0050014		X	State only.	Unit 002
	29. 40 CFR 60.250 Subpart Y, Coal Preparation Plants.	0050014		X	State only.	Unit 002
	37. 40 CFR 60.330 Subpart GG, Stationary Gas Turbines.	0050014		X	State only.	Unit 002
	62. 40 CFR 60.670 Subpart OOO, Non-Metallic Mineral Processing Plants.	0050014		X	State only.	Unit 002
62-204.800(7)	(c) The Standards of Performance for New Stationary Sources adopted by reference in this section shall be controlling over other standards in this chapter except that any emissions limiting standard contained in or determined pursuant to this chapter which is more stringent than one contained in a Standard of Performance, or which regulates emissions of pollutants or emissions units not regulated by an applicable Standard of Performance, shall apply.	0050014		X	State only.	Unit 002
	(7)(d) General Provisions Adopted.	0050014		X	State only.	Unit 002
	(7)(e) Appendices Adopted. The following appendices of 40 CFR Part 60, revised as of July 1, 1994 or later as specifically indicated, are adopted and incorporated by reference.	0050014		X	State only.	Unit 002
	1. 40 CFR 60 Appendix A, Test Methods, are adopted by reference.	0050014		X	State only.	Unit 002
	2. 40 CFR 60 Appendix B, Performance Specifications.	0050014		X	State only.	Unit 002
	3. 40 CFR 60 Appendix C, Determination of Emission Rate Change.	0050014		X	State only.	Unit 002
	5. 40 CFR 60 Appendix F, Quality Assurance Procedures.	0050014		X	State only.	Unit 002
62-204.800(8)	National Emission Standards for Hazardous Air Pollutants (NESHAPS).					
	(8) Standards Adopted.	0050014		X	State only.	Unit 002
	(b)8. 40 CFR Part 61 Subpart M Asbestos.	0050014	✓		State only.	Unit 002

GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-204.800(8)	(d) General Provisions Adopted. The general provisions of 40 CFR Part 61 Subpart A, revised July 1, 1994, are adopted and incorporated by reference except 40 CFR 61.04, 40 CFR 61.08, 40 CFR 61.11, and 40 CFR 61.18.	0050014	✓		State only.	Unit 002
62-204.800(9)	National Emission Standards for Hazardous Air Pollutants (NESHAPS) - Part 63.					
	(9) Standards Adopted.	0050014		×	State only.	Unit 002
	(b) 40 CFR 63 Subpart Q Chromium Emissions from Industrial Process Cooling Towers*	0050014		×	State only. *This regulation was proposed for incorporation in the FAW on March 8, 1996; not yet "effective" on state level.	Unit 002
	(a) 40 CFR 63 Subpart T Halogenated Solvent Cleaning*	0050014		×	State only. *This regulation was proposed for incorporation in the FAW on March 8, 1996; not yet "effective" on state level.	Unit 002
	(d) General Subparts Adopted.	0050014		×	State only.	Unit 002
	1. 40 CFR 63 Subpart A, General Provisions	0050014		×	State only.	Unit 002
	2. 40 CFR 63 Subpart B, Equivalent Emission Limitation by Permit (112(j))	0050014		×	State only.	Unit 002
	4. 40 CFR 63 Subpart D, Compliance Extensions for Early Reductions	0050014		×	State only.	Unit 002
62-204.800 (11)	Adoption of 40 CFR 70, Federal Title V Rule	0050014	✓		State only.	Facility
62-204.800 (12)	Adoption of 40 CFR 72, Federal Acid Rain Program	0050014	✓		State only.	Unit 002
62-204.800 (13)	Adoption of 40 CFR 73, SO2 Allowance System	0050014	✓		State only.	Unit 002
62-204.800 (14)	Adoption of 40 CFR 75, CEMS	0050014	✓		State only.	Unit 002
62-204.800 (15)	Adoption of 40 CFR 76, Acid Rain Nox Requirement	0050014	✓		Applicable in Phase II.	Unit 002
62-204.800 (16)	Adoption of 40 CFR 77, Acid Rain Excess Emissions	0050014	✓		Applicable in Phase II.	Unit 002

<b>GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST</b>		Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
FDEP Rule	FDEP Title		Yes	No/NA		
62-204.800 (19)	Adoption of 40 CFR 82, Stratospheric Ozone	0050014		×	State only.	Unit 002/ Facility
<b>Chapter 62-210 Stationary Sources - General Requirements</b>						
62-210.300	Permits Required.					
	(2) Air Operation Permits. (Except (b).)	0050014	✓			Facility
	(3)(a) Exemptions - #1-29.	0050014	✓			Facility
	(3)(b) Temporary Exemptions.	0050014	✓			Facility
62-210.300	(5) Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Department in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.	0050014	✓		May apply in the future.	Facility
	(a) The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.	0050014	✓		May apply in the future.	Facility
	(b) If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Department as soon as possible after the date of such startup is ascertained.	0050014	✓		May apply in the future.	Facility
62-210.370	Reports.					
	(1) Notification of Intent to Relocate Air Pollutant Emitting Facility.	0050014		×		Unit 002
	(3) Annual Operating Report for Air Pollutant Emitting Facility.	0050014	✓			Facility
62-210.650	Circumvention.					
		0050014		×		Unit 002
62-210.700	Excess Emissions.					
		0050014	✓			Unit 002
62-210.900	Forms and Instructions.					
	(5) Annual Operating Reports	0050014	✓			Facility
<b>Chapter 62-213 Operation Permits for Major Sources of Air Pollution</b>						

<b>GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-213.205	Annual Emissions Fee.	0050014	✓			Facility
62-213.400	Permits and Permit Revisions Required.	0050014	✓			Facility
62-213.410	Changes Without Permit Revision.	0050014	✓			Facility
62-213.415	Trading of Emissions Within a Source.	0050014	✓		May apply in the future.	Unit 002 /Facility
62-213.460	Permit Shield.	0050014	✓			Facility
<b>Chapter 62-214 Requirements for Sources Subject to the Federal Acid Rain Program</b>						
62-214.300	Applicability.	0050014	✓			Unit 002
62-214.340	Exemptions.					
	(5) The owners and operators of each unit . . .	0050014	✓			Unit 002
	(6) A new unit shall no longer be exempted . . .	0050014		×		Unit 002
	(7) A retired unit shall no longer be exempted . . .	0050014	✓			Unit 002
62-214.350	Certification.	0050014	✓			Unit 002
62-214.430	Implementation and Termination of Compliance Options. Procedures for activation and termination of compliance options.					
	(1) Activation.	0050014	✓			Unit 002
	(2) Termination.	0050014	✓			Unit 002
<b>Chapter 62-252 Gasoline Vapor Control</b>						
62-252.300	Gasoline Dispensing Facilities - Stage I Vapor Recovery.					
	(2) Prohibition.	0050014		×		Facility
	(3) Control Technology Requirements.	0050014		×		Facility
	(4) Compliance Schedule.	0050014		×	State Only	Facility
62-252.400	Gasoline Dispensing Facilities - Stage II Vapor Recovery.					
	(2) Prohibition.	0050014		×	State Only	Facility

<b>GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(3) Control Technology Requirements.	0050014		×	State Only	Facility
	(4) Compliance Schedules.	0050014		×	State Only	Facility
	(5) Testing.	0050014		×	State Only	Facility
	(6) Recordkeeping.	0050014		×	State Only	Facility
	(7) System Maintenance.	0050014		×	State Only	Facility
62-252.400	(8) Training.	0050014		×	State Only	Facility
62-252.500	Gasoline Tanker Trucks.					
	(2) Prohibitions.	0050014		×	State Only	Facility
	(3) Leak Testing.	0050014		×	State Only	Facility
<b>Chapter 62-256 Open Burning and Frost Protection Fires</b>						
62-256.300	Prohibitions.	0050014	✓		State Only	Facility
62-256.450	Burning for Cold or Frost Protection.	0050014		×	State Only	Facility
62-256.500	Land Clearing.	0050014	✓		State Only	Facility
62-256.600	Industrial, Commercial, Municipal, and Research Open Burning.	0050014	✓		State Only	Facility
62-256.700	Open Burning Allowed.	0050014	✓		State Only	Facility
<b>Chapter 62-257 Asbestos Removal</b>						
62-257.301	Notification Procedure and Fee.	0050014	✓		State Only	Facility
62-257.400	Fee Schedule.	0050014	✓		State Only	Facility
62-257.900	Form.	0050014	✓		State Only	Facility
<b>Chapter 62-281 Motor Vehicle Air Conditioning Refrigerant Recovery and Recycling.</b>						
62-281.300	Applicability.	0050014		×	State Only	Facility
62-281.400	Compliance Requirements.	0050014		×	State Only	Facility
62-281.500	Establishment Certification.					



<b>GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-281.500	(1) Initial Certification.	0050014		×	State Only	Facility
	(2) Renewal Certification.	0050014		×	State Only	Facility
	(3) Fees.	0050014		×	State Only	Facility
	(4) Certificate of Compliance.	0050014		×	State Only	Facility
62-281.600	Training Requirements.	0050014		×	State Only	Facility
62-281.700	Equipment Certification.	0050014		×	State Only	Facility
62-281.900	Forms.	0050014		×	State Only	Facility
<b>Chapter 62-296 Stationary Sources -- Emission Standards</b>						
62-296.320	General Pollutant Emission Limiting Standards.					
	(1) Volatile organic compounds emissions or organic solvents emissions.	0050014		×		Facility
	(2) Objectionable Odor Prohibited.	0050014	✓			Facility
	(3) Open Burning.	0050014	✓		State Only	Facility
	(4)(a) Process Weight Table.	0050014		×		Unit 002
	(4)(b) General Visible Emissions Standard.	0050014	✓			Facility
	(4)(c) Unconfined Emissions of Particulate Matter.	0050014	✓			Facility
62-296.405	Fossil Fuel Steam Generators with More than 250 Million Btu per Hour Heat Input.					
	(1) Existing Emissions Units.					
	(a) Visible emissions.	0050014	✓			Unit 002
	(b) Particulate Matter - 0.1 pound per million Btu heat input, as measured by applicable compliance methods.	0050014	✓			Unit 002
	(c) Sulfur Dioxide, as measured by applicable compliance methods.	0050014	✓			Unit 002
	1. Sources burning liquid fuel.	0050014	✓			Unit 002
	2. Sources burning solid fuel.	0050014	✓			Unit 002

<b>GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	3. Owners of fossil fuel steam generators shall monitor their emissions and the effects of the emissions on ambient concentrations of sulfur dioxide, in a manner, frequency, and locations approved, and deemed reasonably necessary and ordered by the Department.	0050014	✓			Unit 002
	(d) Nitrogen Oxides (expressed as NO <sub>x</sub> ).	0050014		×		Unit 002
62-296.405	(e) Test Methods and Procedures.	0050014	✓		Presumably federally enforceable, but cannot be confirmed at this time.	Unit 002
	(f) Continuous Emissions Monitoring Requirements.	0050014	✓			Unit 002
	(g) Quarterly Reporting Requirements.	0050014	✓			Unit 002
	(2) New Emissions Units.					
	(a) Visible Emissions - See Rule 62-204.800(7) and 40 CFR 60.42 and 60.42a	0050014		×		Unit 002
	(b) Particulate Matter - See Rule 62-204.800(7) and 40 CFR 60.42 and 60.42a	0050014		×		Unit 002
	(c) Sulfur Dioxide - See Rule 62-204.800(7) and 40 CFR 60.43 and 60.43a	0050014		×		Unit 002
	(d) Nitrogen Oxides - See Rule 62-204.800(7) and 40 CFR 60.44 and 60.44a	0050014		×		Unit 002
62-296.406	Fossil Fuel Steam Generators with Less than 250 Million Btu per Hour Heat Input, New and Existing Emissions Units.					
	(1) Visible Emissions	0050014		×		Unit 002
	(2) Particulate Matter - Best available control technology in accordance with Rule 62-210.200(40)	0050014		×		Unit 002
	(3) Sulfur Dioxide - Best available control technology in accordance with Rule 62-210.200(40)	0050014		×		Unit 002
62-296.411	Sulfur Storage and Handling Facilities	0050014		×		Unit 002
62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxides (NO <sub>x</sub> ) Emitting Facilities.					
	(1) Applicability.	0050014		×		Unit 002

FDEP Rule	GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(2) Permit, Recordkeeping, and Compliance Reporting Requirements.	0050014		×		Unit 002
	(a) Permits - Special Considerations.	0050014		×		Unit 002
	(b) Recordkeeping.	0050014		×		Unit 002
62-296.500	(c) Reporting.	0050014		×		Unit 002
	(3) Exceptions.	0050014		×		Unit 002
	(4) Consideration of Exempt Solvents	0050014		×		Unit 002
	(5) Compliance may be demonstrated for surface coating and graphic arts facilities on a 24-hour weighted average basis for a single source point with a single emission limit.	0050014		×		Unit 002
62-296.508	Petroleum Liquid Storage					
	(1) Applicability.	0050014		×		Unit 002
	(2) Control Technology.	0050014		×		Unit 002
	(3) Test Methods and Procedures.	0050014		×		Unit 002
62-296.511	Solvent Metal Cleaning.					
	(1) Applicability.	0050014		×		Unit 002
	(2) Cold Cleaning Control Technology.	0050014		×		Unit 002
	(3) Open Top Vapor Degreaser Control Technology.	0050014		×		Unit 002
	(4) Conveyorized Degreaser Control Technology.	0050014		×		Unit 002
	(5) Test Methods and Procedures.	0050014		×	* 8-hr test requirement not in SIP.	Unit 002
62-296.516	Petroleum Liquid Storage Tanks with External Floating Roofs					
	(1) Applicability.	0050014		×		Unit 002
	(2) Control Technology.	0050014		×		Unit 002
	(3) Test Methods and Procedures.	0050014		×		Unit 002

FDEP Rule	GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- 0050014 and NO <sub>x</sub> - Emitting Facilities.					
	(1) Applicability.	0050014		×	State Only	Unit 002
	(2) Compliance Requirements.	0050014		×	State Only	Unit 002
62-296.570	(3) Operation Permit Requirements.	0050014		×	State Only	Unit 002
	(4) RACT Emission Limiting Standards.	0050014		×	State Only	Unit 002
	(a) Compliance Dates and Monitoring.	0050014		×	State Only	Unit 002
	(b) Emission Limiting Standards.	0050014		×	State Only	Unit 002
	(c) Exception for Startup, Shutdown or Malfunction.	0050014		×	State Only	Unit 002
62-296.700	Reasonably Available Control Technology (RACT) Particulate Matter.					
	(1) Applicability.	0050014		×		Unit 002
	(2) Exemptions.	0050014		×		Unit 002
	(3) Specific RACT Emission Limiting Standards for Stationary Emissions Units.	0050014		×		Unit 002
	(4) Maximum Allowable Emission Rates.	0050014		×		Unit 002
	(a) Emissions Unit Data.	0050014		×		Unit 002
	(b) Maximum Emission Rates.	0050014		×		Unit 002
	(5) Circumvention.	0050014		×		Unit 002
	(6) Operation and Maintenance Plan.	0050014		×		Unit 002
	(a) Air Pollution Control Devices and Collection Systems.	0050014		×		Unit 002
	(b) Control Equipment Data.	0050014		×		Unit 002
	(c) Processing or Materials Handling Systems.	0050014		×		Unit 002
	(d) Fossil Fuel Steam Generators.	0050014		×		Unit 002
62-296.702	Fossil Fuel Steam Generators.					

FDEP Rule	GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(1) Applicability.	0050014		×		Unit 002
	(2) Emission Limitations.	0050014		×		Unit 002
	(a) Particulate Matter - 0.10 lb/mmBtu	0050014		×		Unit 002
62-296.711	(b) Visible Emissions - 20% opacity.	0050014		×		Unit 002
	(3) Test Methods and Procedures.	0050014		×		Unit 002
	Materials Handling, Sizing, Screening, Crushing and Grinding Operations.					
	(1) Applicability	0050014		×		Unit 002
	(2) Emission Limitations.	0050014		×		Unit 002
	(3) Test Methods and Procedures.	0050014		×		Unit 002
<b>Chapter 62-297 Stationary Sources -- Emission Monitoring</b>						
62-297.310	General Test Requirements.	0050014	✓			Unit 002
	(1) Required Number of Test Runs	0050014	✓			Unit 002
	(2) Operating Rate During Testing	0050014	✓			Unit 002
	(3) Calculation of Emission Rate	0050014	✓			Unit 002
	(4) Applicable Test Procedures.	0050014	✓			Unit 002
	(a) Required Sampling Time.	0050014	✓			Unit 002
	1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.	0050014	✓			Unit 002
	2. Opacity Compliance Tests.	0050014	✓			Unit 002
	(b) Minimum Sample Volume.	0050014	✓			Unit 002
	(c) Required Flow Rate Range.	0050014	✓			Unit 002
	(d) Calibration.	0050014	✓			Unit 002

FDEP Rule	GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(e) EPA Method 5.	0050014	✓			Unit 002
	(5) Determination of Process Variables.	0050014	✓			Unit 002
	(6) Required Stack Sampling Facilities					
	(a) Permanent Test Facilities.	0050014	✓			Unit 002
	(b) Temporary Test Facilities.	0050014		×		Unit 002
	(c) Test Facilities.	0050014	✓			Unit 002
62-297.310	1. Sampling Ports.	0050014	✓			Unit 002
	(d) Work Platforms.	0050014	✓			Unit 002
	(e) Access.	0050014	✓			Unit 002
	(f) Electrical Power.	0050014	✓			Unit 002
	(g) Sampling Equipment Support.	0050014	✓			Unit 002
	(7) Frequency of Compliance Tests.					
	(a) General Compliance Testing.	0050014	✓			Unit 002
	1. Compliance test requirement prior to obtaining operating permit.	0050014		×		Unit 002
	2. Annual test requirement for excess PM emissions.	0050014	✓			Unit 002
	3. Annual test requirement prior to obtaining renewal permit.	0050014	✓			Unit 002
	4.(a) Annual VE test,	0050014	✓			Unit 002
	(b) Annual test for lead, acrylonitrile and other regulated pollutants,	0050014		×		Unit 002
	(c) Annual test for each NESHAP pollutant	0050014		×		Unit 002
	5. No annual PM test required if burn no liquid and/or solid fuel for greater than 400 hrs/year.	0050014	✓			Unit 002
	6. Exemption from semi-annual PM test for steam generators.	0050014		×		Unit 002
	7. Exemption from quarterly PM test for units not utilizing liquid and/or solid fuel for more than 100 hrs.	0050014		×		Unit 002

GULF POWER - SMITH UNIT 2 FDEP APPLICABLE REQUIREMENTS LIST						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	8. Five year VE test requirement for units that operate no more than 400 hrs/year.	0050014		×		Unit 002
	9. Fifteen day advance notification requirement prior to test.	0050014	✓			Unit 002
	10. Compliance test exemption for exempt units and units utilizing a general permit.	0050014		×		Unit 002
62-297.310	(b) Special Compliance Tests.	0050014	✓		Applicable upon any complaint.	Unit 002
	(c) Waiver of Compliance Test Requirement.	0050014	✓		SO2 24 hour CEM/ FS&A program in lieu of annual compliance test.	Unit 002
	(8) Test Reports.	0050014	✓			Unit 002

## E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 2

Plant Lansing Smith Unit 2 Electric Utility Boiler

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	Stack	
2. Emission Point Type Code :	2	
3. Descriptions of Emission Points Comprising this Emissions Unit :		
Common stack used for units 1 and 2.		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
001 Smith Unit 1 002 Smith Unit 2		
5. Discharge Type Code :	V	
6. Stack Height :	200	feet
7. Exit Diameter :	18.0	feet
8. Exit Temperature :	260	°F
9. Actual Volumetric Flow Rate :	984400	acfm
10. Percent Water Vapor :	%	
11. Maximum Dry Standard Flow Rate :	dscfm	
12. Nonstack Emission Point Height :	feet	
13. Emission Point UTM Coordinates :		
Zone :	16	East (km) : 625.200 North (km) : 3349.100
14. Emission Point Comment :		

III. Part 7a - 1



## F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Plant Lansing Smith Unit 2 Electric Utility Boiler

**Segment Description and Rate :** Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

Boiler fired with Pulverized Bituminous Coal. Emissions related to tons burned.

2. Source Classification Code (SCC) : 1-01-002-12

3. SCC Units : Tons Burned (all solid fuels)

4. Maximum Hourly Rate : 85.20

5. Maximum Annual Rate : 746,352.00

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur : 4.10

8. Maximum Percent Ash : 9.90

9. Million Btu per SCC Unit : 24

10. Segment Comment :

III. Part 8 - 1

Minimum MBTU per SCC unit is 23. Average MBTU is 24.

III. Part 8 - 2

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

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

**Emissions Unit Information Section**                      2

Plant Lansing Smith Unit 2 Electric Utility Boiler

**Segment Description and Rate :**      Segment      2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :  Boiler fired with #2 fuel oil and "on spec." used oil. emissions related to thousand gallons burned.	
2. Source Classification Code (SCC) :      1-01-005-01	
3. SCC Units :      Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate :      0.55	5. Maximum Annual Rate :      4,818.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur :      0.50	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :      138	
10. Segment Comment :  Maximum percent ash in item 8 is 0.05 %.	

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

**Emissions Unit Information Section      2**  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
SO2			EL
NOX			EL
PM	010	010	EL
PM10	010	010	NS
SAM			NS
CO			NS
VOC			NS
H015			NS
H021			NS
H027			NS
H046			NS
PB			NS
H113			NS

III. Part 9a - 1

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

**Emissions Unit Information Section 2**  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
H114			NS
H133			NS
H047			NS
H014			NS
H151			NS
H017			NS
H169			NS
H162			NS
HCL			NS
H107			NS
H161			NS
DIOX			NS
H095			NS

III. Part 9a - 2

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	SO2
2. Total Percent Efficiency of Control :	%
3. Potential Emissions :	12,598.00      lb/hour      55,234.00      tons/year
4. Synthetically Limited? [ ] Yes      [X] No	
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year
6. Emissions Factor : Reference :      AP-42	
7. Emissions Method Code :	3
8. Calculations of Emissions :	<p>38x(S%)x .95 lbs/ton of coal = 148.01lb/ton  38(4.096) (.95) (85.2 tons/hour) = 12598 SO2 lbs/hr.  38(4.096) (.95) (85.2) (8760) (1/2000) = 55234 SO2 tons/yr.</p>
9. Pollutant Potential/Estimated Emissions Comment :	<p>SO2 Emissions shall not exceed 6.17 LB/MBTU Heat Input.  FAC Rule 62-296.405 (1) (c) 2.d..</p>

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	NOX		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	797.50	lb/hour	3,492.90      tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :	AP-42 + GDW@35% LNB		
7. Emissions Method Code :	3		
8. Calculations of Emissions :	$14.4 (.65) \text{ NOx lbs/ton of coal} = 9.36 \text{ lbs/ton @35\% reduction \% for LNB}$ $14.4 (.65) (85.2 \text{ tons/hr}) = 797.5 \text{ NOx lbs/hr}$ $14.4 (.65) (85.2) (8760) (1/2000) = 3492.9$		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42 and % reduction for LNB		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	PM		
2. Total Percent Efficiency of Control :	98.00	%	
3. Potential Emissions :	67.47	lb/hour	295.56 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:			tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	<p>.08 x (A%) where A = 9.9 %                  .08 (9.9) (85.2 tons/hr) = 67.47 lbs/hr                  .08 (9.9) (85.2) (8760) (1/2000) = 295.56 tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

III. Part 9b - 3



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	PM10		
2. Total Percent Efficiency of Control :	98.00	%	
3. Potential Emissions :	42.17	lb/hour	184.70 tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Range of Estimated Fugitive/Other Emissions:			tons/year
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	$0.05 \times (A\%) \text{ where } A = 9.9\% = 4.95 \text{ lbs/ton of coal}$ $0.05 (9.9) (85.2 \text{ tons/hr}) = 42.17 \text{ PM10 lbs/hr}$ $0.05 (9.9) (85.2) (8760) (1/2000) = 184.7 \text{ PM10 tons/yr}$		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	SAM		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	113.90	lb/hour	498.80      tons/year
4. Synthetically Limited? [ ] Yes            [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to            tons/year		
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	$38 (S\%) (.00858) \text{ SAM lbs/ton of coal @ } 4.1\%S = 1.3367$ $38 (4.1) (.00858) (85.2 \text{ tons/hr}) = 113.9 \text{ lbs/hr}$ $38 (4.1) (.00858) (85.2) (8760) (1/2000) = 498.8 \text{ tons/yr}$		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

III. Part 9b - 5

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	CO		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	42.60	lb/hour	186.60      tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Range of Estimated Fugitive/Other Emissions:	to            tons/year		
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	0.5 CO lbs/ton of coal 0.50 (85.2 tons/hr) = 42.6 lbs/hr 0.50 (85.2) (8760) (1/2000) = 186.6 tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	VOC		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	5.11	lb/hour	22.40 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	AP-42		
7. Emissions Method Code :	3		
8. Calculations of Emissions :	<p>0.06 VOC lbs/ton of coal  0.06 (85.2 tons/hr) = 5.11 lbs/hr  0.06 (85.2) (8760) (1/2000) = 22.39 tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	H015		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.000092 lbs arsenic/ ton of coal .000092 (85.2 ton/hr) = .0078 lbs/hr .000092 (85.2) (8760) (1/2000) = .034 ton/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	H021		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.04 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.000103 lbs beryllium/ton of coal .000103 (85.2 tons/hr) = .0088 Be lbs/hr .000103 (85.2) (8760) (1/2000) = .038 Be tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	H027		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000079 lbs cadmium/ton of coal          .000079 (85.2 tons/hr) = .0067 lbs/hr          .000079 (85.2) (8760) (1/2000) = .029 tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Pollutant Emitted :	H046		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.04	lb/hour	0.17 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.0004496 Cr lbs/ton of coal          .0004496 (85.2 tons/hr) = .038 Cr lbs/hr          .0004496 (85.2) (8760) (1/2000) = .168 Cr tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      12

1. Pollutant Emitted :	PB		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.02	lb/hour	0.10 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000259 Pb lbs/ton of coal          .000259 (85.2 tons/hr) = .022 Pb tons/hr          .000259 (85.2) (8760) (1/2000) = .097 Pb tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      13

1. Pollutant Emitted :	H113		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.05	lb/hour	0.20 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000542 Mn lbs/ton of coal                  .000542 (85.2 tons/hr) = .046 Mn lbs/hr                  .000542 (85.2) (8760) (1/2000) = .202 Mn tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      14

1. Pollutant Emitted :	H114		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.05 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI & FCG		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.00014 Hg lbs/ton of coal .00014 (85.2 ton/hr) = .012 Hg lbs/hr .00014 (85.2) (8760) (1/2000) = .052 Hg tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI & Florida Electric Power Coordinating Group		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section** 2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :** Pollutant 15

1. Pollutant Emitted :	H133		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.03	lb/hour	0.14 tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : EPRI			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.00036442 Ni lbs/ton of coal .00036442 (85.2 tons/hr) = .031 Ni lbs/hr .00036442 (85.2) (8760) (1/2000) = .136 Ni tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      16

1. Pollutant Emitted :	H047		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.02	lb/hour	0.07 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.000181 Co lbs/ton of coal .000181 (85.2 tons/hr) = .015 Co lbs/hr .000181 (85.2) (8760) (1/2000) = .068 Co tons/hr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      17

1. Pollutant Emitted :	H014		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.01 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000028 Sb lbs/ ton of coal                  .000028 (85.2 ton/hr) = .0024 Sb lbs.hr                  .000028 (85.2) (8760) (1/2000) = .010 Sb tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section** 2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :** Pollutant 18

1. Pollutant Emitted :	H151		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.02 tons/year
4. Synthetically Limited? [ ] Yes [X] No			
5. Range of Estimated Fugitive/Other Emissions:			to tons/year
6. Emissions Factor : Reference : EPRi SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000058 POM lbs/ton of coal                  .000058 (85.2 tons/hr) = .0049 POM lbs/hr                  .000058 (85.2) (8760) (1/2000) = .022 POM tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      19

1. Pollutant Emitted :	H017		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited? [ ] Yes      [X ] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.0000912 Benzene lbs/ton of coal                  .0000912 (85.2 tons/hr) = .0078 Benzene lbs/hr                  .0000912 (85.2) (8760) (1/2000) = .034 Benzene tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      20

1. Pollutant Emitted :	H169
2. Total Percent Efficiency of Control :	%
3. Potential Emissions :	0.00      lb/hour      0.01      tons/year
4. Synthetically Limited? [ ] Yes      [X] No	
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year
6. Emissions Factor : Reference :      EPRI SR	
7. Emissions Method Code :      2	
8. Calculations of Emissions :	.000034 Toluene lbs/ton of coal .000034 (85.2 tons/hr) = .0029 Toluene lbs/hr .000034 (85.2) (8760) (1/2000) = .013 Toluene tons/yr
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      21

1. Pollutant Emitted :	H162		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.22	lb/hour	0.95 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.002541 Se lbs/ton of coal .002541 (85.2 tons/hr) = .216 Se lbs/hr .002541 (85.2) (8760) (1/2000) = .948 Se tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      22

1. Pollutant Emitted :	HCL		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	148.26	lb/hour	659.36 tons/year
4. Synthetically Limited? [ ] Yes      [X ] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	1.740104 HCL lbs/ton of coal 1.740104 (85.2 ton/hr) = 148.26HCL lbs/hr 1.740104 (85.2) (8760) (1/2000) = 659.36 HCL tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report @ 100% Cl in coal		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      23

1. Pollutant Emitted :	H107			
2. Total Percent Efficiency of Control :	%			
3. Potential Emissions :	14.36	lb/hour	62.88	tons/year
4. Synthetically Limited? [ ] Yes      [X] No				
5. Range of Estimated Fugitive/Other Emissions:			to	tons/year
6. Emissions Factor : Reference :      GDW				
7. Emissions Method Code :	2			
8. Calculations of Emissions :	.168489 HF lbs/ton of coal .168489 (85.2 ton/hr) = 14.36 HF lbs/hr .168489 (85.2)(8760) (1/2000) = 62.88 HF tons/yr			
9. Pollutant Potential/Estimated Emissions Comment :	Source; G. Dwain Waters Mass Balance 100% F in coal			

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      24

1. Pollutant Emitted :	H161	
2. Total Percent Efficiency of Control :	%	
3. Potential Emissions :	lb/hour	tons/year
4. Synthetically Limited? [ ] Yes      [X] No		
5. Range of Estimated Fugitive/Other Emissions:	to	tons/year
6. Emissions Factor : Reference :      EPRI SR		
7. Emissions Method Code :	2	
8. Calculations of Emissions :	<p>52.75 pCi radionuclides/g particulate emission                      52.75 (67.47 PM lb/hr) = 3559.04 pCi/hr                      52.75 (67.47) (8760) = 31,177,212.3 Rad pCi/yr</p>	
9. Pollutant Potential/Estimated Emissions Comment :	<p>Source; EPRI Synthesis Report                      Note: Pollutant not emitted in lbs or tons.</p>	

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      25

1. Pollutant Emitted :	DIOX		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.00 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to tons/year		
6. Emissions Factor : Reference :      EPRI			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.0000000004 Dioxin lbs/ton of coal          .0000000004 (85.2 ton/hr) = .00000009 Dioxin lbs/hr          .0000000004 (85.2) (8760) (1/2000) = .00000003 Dioxin tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      2  
 Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Potential/Estimated Emissions :**      Pollutant      26

1. Pollutant Emitted :	H095		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.03 tons/year
4. Synthetically Limited?	[ ] Yes      [X] No		
5. Range of Estimated Fugitive/Other Emissions:	to tons/year		
6. Emissions Factor :	Reference :      EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	<p>.000072 lbs formaldehyde/ton of coal          .000072 (85.2 tons/hr) = .006 HCOH lbs/hr          .000072 (85.2) (8760) (1/2000) = .027 HCOH tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**Emissions Unit Information Section**      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Information Section**      1

**Allowable Emissions**      1

1. Basis for Allowable Emissions Code :	RULE		
2. Future Effective Date of Allowable Emissions :			
3. Requested Allowable Emissions and Units :	6.17	lbs/MBTU	
4. Equivalent Allowable Emissions :	12,599.00	lb/hour	55,184.00 tons/year
5. Method of Compliance :	Daily 24 hour average based on CEM or FS&A. See SC 12.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	62-296.405 (1) (c) 2.d. Please see Specific Condition 12 in existing permit relating to compliance to SO2 in Unit 2 Additional Applicable Requirements section EUS2-12.		



**Emissions Unit Information Section**                      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Information Section**                      3

**Allowable Emissions**                      1

1. Basis for Allowable Emissions Code :	RULE		
2. Future Effective Date of Allowable Emissions :			
3. Requested Allowable Emissions and Units :	0.10	lbs/MBTU	
4. Equivalent Allowable Emissions :	204.20	lb/hour	894.40 tons/year
5. Method of Compliance :	Annual Method 17 Particulate Test.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	Particulate standard is .1 lbs/MBTU in 62-296.405 (1) (b) and test method is 62-296.405 (1) (e) 2. Please see Specific Condition 11 in existing permit in EUS2-12.		

**Emissions Unit Information Section**                      2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Information Section**                      2

**Allowable Emissions**                      1

1. Basis for Allowable Emissions Code :	OTHER
2. Future Effective Date of Allowable Emissions :	01-Jan-2000
3. Requested Allowable Emissions and Units :	Phase II
4. Equivalent Allowable Emissions :	lb/hour                      tons/year
5. Method of Compliance :	Annual Average of CEM hourly data.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	Title IV Phase II NOx rules have not been completed to date by EPA. Rule requirement is 40 CFR Part 76. Monitoring requirement under 40 CFR Part 75.

**Emissions Unit Information Section** 2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Pollutant Information Section** 3

**Allowable Emissions** 2

1. Basis for Allowable Emissions Code :	RULE		
2. Future Effective Date of Allowable Emissions :			
3. Requested Allowable Emissions and Units :	0.30	lbs/MBTU	
4. Equivalent Allowable Emissions :	612.60	lb/hour	335.40 tons/year
5. Method of Compliance :	Annual Method 17 Particulate Test.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	Excess emissions under 62-210.700(3). Test method is in 2-296.405(1)(e)2. Please see Specific Condition 11 in existing permit in EUS2-12.		

**I. VISIBLE EMISSIONS INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section**     2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Visible Emissions Subtype :	VES									
2. Basis for Allowable Opacity :	RULE									
3. Requested Allowable Opacity :	<table style="margin-left: auto; margin-right: auto;"><tr><td style="padding: 0 20px;">Normal Conditions :</td><td style="padding: 0 10px;">40</td><td style="padding: 0 10px;">%</td></tr><tr><td style="padding: 0 20px;">Exceptional Conditions :</td><td style="padding: 0 10px;">60</td><td style="padding: 0 10px;">%</td></tr><tr><td style="padding: 0 20px;">Maximum Period of Excess Opacity Allowed :</td><td style="padding: 0 10px;">6</td><td style="padding: 0 10px;">min/hour</td></tr></table>	Normal Conditions :	40	%	Exceptional Conditions :	60	%	Maximum Period of Excess Opacity Allowed :	6	min/hour
Normal Conditions :	40	%								
Exceptional Conditions :	60	%								
Maximum Period of Excess Opacity Allowed :	6	min/hour								
4. Method of Compliance :	Emissions tests shall be performed to insure the unit is in compliance with the standards of the Department. Test Method #9.									
5. Visible Emissions Comment :										

**J. CONTINUOUS MONITOR INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**    2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor    1

1. Parameter Code :    VE	2. Pollutant :
3. CMS Requirement :    RULE	
4. Monitor Information :  Manufacturer :    LEAR SIEGLER Model Number :    SS-4542 Serial Number :    A1931002,004	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Unit required to monitor opacity under 62-296-405(1)(f)1.	

**J. CONTINUOUS MONITOR INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**     2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor     2

1. Parameter Code :     CO2	2. Pollutant :
3. CMS Requirement :     RULE	
4. Monitor Information :  Manufacturer :     SIEMENS Model Number :     Ultramat 5E Serial Number :     DO-663	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Spectrum Systems Model 300 Dilution Monitoring System uses the Siemens CO2 analyzer to measure the diluent component of the SO2 and NOX emission rate. Unit is required to monitor CO2 under 2-296.405(1)(f)1. and Title IV 40 CFR Part 75.	

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** 2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor 3

1. Parameter Code : FLOW	2. Pollutant :
3. CMS Requirement : RULE	
4. Monitor Information :  Manufacturer : SIERRA Model Number : 650 Serial Number : SM-2A SM-2B	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Spectrum Systems Model 300 Dilution Monitoring System uses heat input measurements from flow to calculate hourly emissions. CEM flow monitors are required under Title IV 40 CFR Part 75.	

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section**    2  
Plant Lansing Smith Unit 2 Electric Utility Boiler

**Continuous Monitoring System :** Continuous Monitor    4

1. Parameter Code :    EM	2. Pollutant :
3. CMS Requirement :    RULE	
4. Monitor Information :  Manufacturer :    TECO Model Number :    42D Serial Number :    42D-40365-262	
5. Installation Date :	01-Dec-1993
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :  Spectrum Systems Model 300 Dilution Monitoring System uses Siemens and Teco analyzers to calculate unit NOx emission rate. CEM required under Title IV 40 CFR Part 75.	





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

**Emissions Unit Information Section**          2    

Plant Lansing Smith Unit 2 Electric Utility Boiler

**PSD 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.
- ] 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.

2. Increment Consuming for Nitrogen Dioxide?

- ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM : U	SO2 : U	NO2 : U
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

III. Part 12 - 3

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

## L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 2

Plant Lansing Smith Unit 2 Electric Utility Boiler

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

1. Process Flow Diagram :	EUS2-1
2. Fuel Analysis or Specification :	EUS2-2
3. Detailed Description of Control Equipment :	EUS2-3
4. Description of Stack Sampling Facilities :	EUS2-4
5. Compliance Test Report :	EUS2-5
6. Procedures for Startup and Shutdown :	EUS2-6
7. Operation and Maintenance Plan :	NA
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 :	EUS2-10
11. Alternative Modes of Operation (Emissions Trading) :	NA

III. Part 13 - 1

12. Identification of Additional Applicable Requirements :	EUS2-12
13. Compliance Assurance Monitoring Plan :	NA
14. Acid Rain Application (Hard-copy Required) :  <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">EUS2-14</div> <div style="width: 80%;"> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))  Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)  New Unit Exemption (Form No. 62-210.900(1)(a)2.)  Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) </div> </div>	

### III. EMISSIONS UNIT INFORMATION

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

**Emissions Unit Information Section**      3

Plant Lansing Smith Combustion Turbine

#### **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 :

- [ 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.

**B. GENERAL EMISSIONS UNIT INFORMATION  
(Regulated and Unregulated Emissions Units)**

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section :  Plant Lansing Smith Combustion Turbine		
2. Emissions Unit Identification Number : 003 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code : 49
6. Emissions Unit Comment :  Plant Smith Combustion Turbine uses #2 fuel oil as its only fuel and is capability of producing 40 MW of Electricity.		



**Emissions Unit Information Section**      3  
Plant Lansing Smith Combustion Turbine \_\_\_\_\_

**Emissions Unit Control Equipment**      1

1. Description :  NONE
2. Control Device or Method Code :

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

**Emissions Unit Information Section**                      3  
 Plant Lansing Smith Combustion Turbine

**Emissions Unit Details**

1. Initial Startup Date :	18-May-1971	
2. Long-term Reserve Shutdown Date :		
3. Package Unit :		
Manufacturer :		Model Number :
4. Generator Nameplate Rating :	40	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 :	542	mmBtu/hr
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment :	The maximum heat input rate in item 1 is estimated based on name plate information. Actual values maybe greater.	

**Emissions Unit Operating Schedule**

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

**D. EMISSIONS UNIT REGULATIONS  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**      3  
Plant Lansing Smith Combustion Turbine \_\_\_\_\_

**Rule Applicability Analysis**

Not applicability

**List of Applicable Regulations**

Title V Core List

Smith Unit 3 Federal-Regualtions List (Sm3rule.EPA)

Smith Unit 3 State-Regulations List (Sm3rule.DEP)



# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

April 1, 1996

Owners  
Title V Sources

Dear Permittee:

Department records indicate that you operate a facility that is subject to Title V of the Clean Air Act. As you probably know, applications for Title V permits are due by June 15, 1996.


The Department has made numerous changes in its rules in recent months. Therefore, the Title V Core List, a list of rules that presumptively applies to each Title V source, has been updated and is provided for your convenience in completing the Title V application.

Enclosed you will also find a cross-reference of the old rule numbers and their new numbers.

Applicants are encouraged to use the new listing, however, to the extent that the applications have been completed by using the outdated rule references, it is not essential that the applications be changed.

If your facility is not subject to Title V, please disregard. If you do not know whether your facility is a Title V source or if you need additional information, please contact the Title V coordinator in Tallahassee for your geographical location as shown on the enclosure.

Sincerely,

  
John C. Brown, Jr., P.E.  
Administrator, Title V Section  
Bureau of Air Regulation

JCB/sk

Enclosures

# Title V Core List

Effective: 03/25/96

[**Note:** The Title V Core List is meant to simplify the completion of the "List of Applicable Regulations" for DEP Form No. 62-210.900(1), Application for Air Permit - Long Form. The Title V Core List is a list of rules to which all Title V Sources are presumptively subject. The Title V Core List may be referenced in its entirety, or with specific exceptions. The Department may periodically update the Title V Core List.]

**Federal:** (description)

40 CFR 61: National Emission Standards for Hazardous Air Pollutants (NESHAP)  
40 CFR 61, Subpart M: National Emission Standard for Asbestos.

40 CFR 82: Protection of Stratospheric Ozone.  
40 CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC).  
40 CFR 82, Subpart F: Recycling and Emissions Reduction.

**State:** (description)

**CHAPTER 62-4, F.A.C.: PERMITS, effective 10-16-95**

62-4.030, F.A.C.: General Prohibition.  
62-4.040, F.A.C.: Exemptions.  
62-4.050, F.A.C.: Procedure to Obtain Permits; Application.  
62-4.060, F.A.C.: Consultation.  
62-4.070, F.A.C.: Standards for Issuing or Denying Permits; Issuance; Denial.  
62-4.080, F.A.C.: Modification of Permit Conditions.  
62-4.090, F.A.C.: Renewals.  
62-4.100, F.A.C.: Suspension and Revocation.  
62-4.110, F.A.C.: Financial Responsibility.  
62-4.120, F.A.C.: Transfer of Permits.  
62-4.130, F.A.C.: Plant Operation - Problems.  
62-4.150, F.A.C.: Review.  
62-4.160, F.A.C.: Permit Conditions.  
62-4.210, F.A.C.: Construction Permits.  
62-4.220, F.A.C.: Operation Permit for New Sources.

**CHAPTER 62-103, F.A.C.: RULES OF ADMINISTRATIVE PROCEDURE, effective 12-31-95**

62-103.150, F.A.C.: Public Notice of Application and Proposed Agency Action.  
62-103.155, F.A.C.: Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

**CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL REQUIREMENTS, effective 03-21-96**

62-210.300, F.A.C.: Permits Required.

62-210.300(1), F.A.C.: Air Construction Permits.

62-210.300(2), F.A.C.: Air Operation Permits.

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

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

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

62-210.300(5), F.A.C.: Notification of Startup.

62-210.300(6), F.A.C.: Emissions Unit Reclassification.

62-210.350, F.A.C.: Public Notice and Comment.

62-210.350(3), F.A.C.: Additional Public Notice Requirements for Facilities Subject to Operation Permits for Title V Sources.

62-210.360, F.A.C.: Administrative Permit Corrections.

62-210.370(3), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility.

62-210.650, F.A.C.: Circumvention.

62-210.900, F.A.C.: Forms and Instructions.

62-210.900(1) Application for Air Permit - Long Form, Form and Instructions.

62-210.900(5) Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions.

**CHAPTER 62-213, F.A.C.: OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION, effective 03-20-96**

62-213.205, F.A.C.: Annual Emissions Fee.

62-213.400, F.A.C.: Permits and Permit Revisions Required.

62-213.410, F.A.C.: Changes Without Permit Revision.

62-213.412, F.A.C.: Immediate Implementation Pending Revision Process.

62-213.420, F.A.C.: Permit Applications.

62-213.430, F.A.C.: Permit Issuance, Renewal, and Revision.

62-213.440, F.A.C.: Permit Content.

62-213.460, F.A.C.: Permit Shield.

62-213.900, F.A.C.: Forms and Instructions.

62-213.900(1) Major Air Pollution Source Annual Emissions Fee Form, Form and Instructions.

## **Title V Core List**

Effective: 03/25/96

**CHAPTER 62-256, F.A.C.: OPEN BURNING AND FROST PROTECTION FIRES**, effective 11-30-94

**CHAPTER 62-257, F.A.C.: ASBESTOS NOTIFICATION AND FEE**, effective 03/24/96

**CHAPTER 62-281, F.A.C.: MOTOR VEHICLE AIR CONDITIONING REFRIGERANT RECOVERY AND RECYCLING**, effective 03-07-96

**CHAPTER 62-296, F.A.C.: STATIONARY SOURCES - EMISSION STANDARDS**, effective 03-13-96

62-296.320(2), F.A.C.: Objectionable Odor Prohibited.

62-296.320(3), F.A.C.: Industrial, Commercial, and Municipal Open Burning Prohibited.

62-296.320(4)(c), F.A.C.: Unconfined Emissions of Particulate Matter.

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**Division of Air Resources Management  
Rule Repeals and Conforming Amendments  
Cross-Reference of Rule Number Changes**

March 24, 1996

Based on FAW Notices:      10/27/95 (effective 1/1/96 & 1/2/96)  
   12/15/96, 2/2/96, & 2/9/96 (effective 3/13/96)  
   1/26/96 (effective 3/24/96)

**Rules Moved or Renumbered**

**From:**

**To:**

**62-204:**

204.500	204.500(1)
204.500(1)-(4)	204.500(1)(a)-(d)
204.600	204.500(2)

**62-210:**

210.400(4)	212.600(3)
Fig. 210.400-1	212.600(3)(c)4. - figure replaced by equation
210.500 - except last sentence	204.220(4)

**62-212:**

212.200 - all definitions	210.200 - definitions merged in as needed
212.400(6)-(8) and below	212.400(7)-(9) and below
212.410(1)(a)-(d)	212.400(6)(a)1.-4.
212.410(2)	212.400(6)(b)
212.410(3)(a) and below	212.400(6)(c) - amended to cite CFR
212.410(3)(b) and below	212.400(6)(c)1. - amended to cite CFR
212.410(3)(c)	212.400(6)(c)2.
212.410(4)(a)-(b)	212.400(6)(d)1.-2.
212.500(7) and below	212.500(8) and below
212.510(1)(a)-(c)	212.500(7)(a)1.-3.
212.510(2)-(3)	212.500(7)(b)-(c)
212.700(1)-(2)	210.300(6)(a)-(b)

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-213:**

213.200 - all definitions  
213.210

210.200 - definitions merged in as needed  
213.205(5)

**62-214:**

214.200 - all definitions

210.200 - definitions merged in as needed

**62-215:**

215.220(1)  
215.220(1)(a)-(c)  
215.220(2)  
215.220(3)(a)-(b)  
215.220(4)  
215.220(5)(a)-(d)  
215.230  
215.230(1)-(10)  
215.230(11)(a)-(d)  
215.230(12)  
215.230(12)(a)-(d)  
215.230(13)(a)-(b)  
215.230(14)  
215.230(14)(a)-(b)  
215.230(15)  
215.230(16)  
215.230(16)(a)  
215.230(16)(b)  
215.230(17)-(19)  
215.300(1)  
215.900(1)

213.300(2)(a)  
213.300(2)(a)1.-3.  
213.300(2)(b)  
213.300(2)(c)1.-2.  
213.300(2)(d)  
213.300(2)(e)1.-4.  
213.300(3)  
213.300(3)(a)-(j)  
213.300(3)(k)1.-4.  
213.300(3)(l)1.  
213.300(3)(l)2.-5.  
213.300(3)(m)1.-2.  
213.300(3)(n)1.  
213.300(3)(n)2.-3.  
213.300(3)(o)  
213.300(3)(p)1.  
213.300(3)(p)1. - last sentence  
213.300(3)(p)2.  
213.300(3)(q)-(s)  
213.300(1)(a)  
213.900(2)

**62-257:**

257.300  
257.301(1)-(5) and below  
257.350

257.301(1)  
257.301(2)-(6) and below  
204.800(8)(b)8.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-272:**

272.100	204.100(1)
272.200 - all definitions	204.200 - definitions merged in as needed
272.300(2) - except last sentence	204.220(1)
272.300(2) - last sentence	204.220(3)
272.300(3)(a)1.-3.	204.240(1)(a)-(c)
272.300(3)(b)1.-2.	204.240(2)(a)-(b)
272.300(3)(c)1.-2.	204.240(3)(a)-(b)
272.300(3)(d)1.	204.240(4)
272.300(3)(d)1.a.-c.	204.240(4)(a)-(c)
272.300(3)(e)1.	204.240(5)
272.300(3)(f)1.	204.240(6)
272.500	204.260
272.500(1)(a)-(b) and below	204.260(1)(a)-(b) and below
272.500(1)(c)1.	204.260(1)(c)
272.500(2)(a)-(b) and below	204.260(2)(a)-(b) and below
272.500(2)(c)1.	204.260(2)(c)
272.500(3)(a)-(b) and below	204.260(3)(a)-(b) and below
272.500(3)(c)1.	204.260(3)(c)

**62-275:**

275.100	204.100(2)
275.200 - all definitions	204.200 - definitions merged in as needed
275.300 and below	204.320 and below
275.400(1)-(5)	204.340(1)(a)-(e)
275.410(1)	204.340(2)(a) - amended to delete ozone areas
275.410(2)-(7)	204.340(2)(b)-(g)
275.420(1)	204.340(3)(a)
275.420(2)(a)-(d)	204.340(3)(b)1.-4.
275.420(3)	204.340(3)(c)
275.600(1)(a)	204.340(4)(a)1.
275.600(1)(b)	204.340(4)(a)2.-4. - amended to add ozone areas
275.600(3)(a)-(b)	204.340(4)(b)1.-2.
275.600(4)-(5)	204.340(4)(c)-(d)
275.700(1)-(3) and below	204.360(1)-(3) and below
275.800(1) and below	204.360(4) and below
275.800(2) and below	204.360(5) and below

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-296:**

296.200 - all definitions	210.200 - definitions merged in as needed
296.310	296.320(4)
296.310(1)	296.320(4)(a)
296.310(1)(a)1.-3.	296.320(4)(a)1.a.-c.
296.310(1)(b)	296.320(4)(a)2.
296.310(1)(c)	296.320(4)(a)3.
296.310(1)(c)1.a.-b.	296.320(4)(a)3.a.(i)-(ii)
296.310(1)(c)2.a.-b.	296.320(4)(a)3.b.(i)-(ii)
296.310(1)(c)3.	296.320(4)(a)3.c.
Table 296.310-1	Table 296.320-1
296.310(2)(a) - first sentence	296.320(4)(b)1.
296.310(2)(a) - remaining sentences	296.320(4)(b)2. - amended to clarify intent
296.310(2)(a)1.-3.	296.320(4)(b)2.a.-c.
296.310(2)(b)	296.320(4)(b)3.
296.310(2)(c)1.-2.	296.320(4)(b)4.a.-b.
296.310(3)(a)-(b)	296.320(4)(c)1.-2.
296.310(3)(c)1.-8.	296.320(4)(c)3.a.-h.
296.310(3)(d)	296.320(4)(c)4.
296.800(1)	204.800(7)(a)
296.800(2)(a)	204.800(7)(b)
296.800(2)(a)1.-68.	204.800(7)(b)1.-68.
296.800(2)(b)	204.800(7)(c)
296.800(3)	204.800(7)(d)
296.800(4)	204.800(7)(e)
296.800(4)(a)-(e)	204.800(7)(e)1.-5.
296.810(1)	204.800(8)(a)
296.810(2)(a)	204.800(8)(b)
296.810(2)(a)1.-7.	204.800(8)(b)1.-7.
296.810(2)(a)8.-14.	204.800(8)(b)9.-15.
296.810(2)(b)	204.800(8)(c)
296.810(3)	204.800(8)(d)
296.810(4)	204.800(8)(e)
296.810(4)(a)-(c)	204.800(8)(e)1.-3.
296.820(1)	204.800(9)(a)
296.820(2)(a)	204.800(9)(b)
296.820(2)(a)1.-5.	204.800(9)(b)1.-5.
296.820(2)(b)	204.800(9)(c)
296.820(3)	204.800(9)(d)
296.820(3)(a)-(d)	204.800(9)(d)1.-4.
296.820(4)	204.800(9)(e)
296.820(4)(a)-(b)	204.800(9)(e)1.-2.

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**From:**

**To:**

**62-297:**

297.200 - all definitions	210.200 - definitions merged in as needed
297.310(4)	297.310(9)
297.330(1)	297.310(4)(a)
297.330(1)(a)-(b)	297.310(4)(a)1.-2.
297.330(1)(b)1.-3.	297.310(4)(a)2.a.-c.
297.330(2)-(5)	297.310(4)(b)-(e)
Table 297.330-1	Table 297.310-1
297.340(1)	297.310(7)(a)
297.340(1)(a)-(b)	297.310(7)(a)1.-2.
297.340(1)(c)	297.310(7)(a)3.
297.340(1)(c)1.-2.	297.310(7)(a)3.a.-b.
297.340(1)(d)	297.310(7)(a)4.
297.340(1)(d)1.	297.310(7)(a)4.a.
297.340(1)(d)2.a.-c.	297.310(7)(a)4.b. - lang. combined in one paragraph
297.340(1)(d)3.	297.310(7)(a)4.c.
297.340(1)(e)-(j)	297.310(7)(a)5.-10.
297.340(2)-(3)	297.310(7)(b)-(c)
297.345	297.310(6)
297.345(1)-(2)	297.310(6)(a)-(b)
297.345(3)(a)1.-5.	297.310(6)(c)1.-5.
297.345(3)(b)1.-4.	297.310(6)(d)1.-4.
297.345(3)(c)1.-2.	297.310(6)(e)1.-2.
297.345(3)(d)1.-2.	297.310(6)(f)1.-2.
297.345(3)(e)1.	297.310(6)(g)1.
297.345(3)(e)1.a.-c.	297.310(6)(g)1.a.-c.
297.345(3)(e)2.-3.	297.310(6)(g)2.-3.
297.350(1)-(2)	297.310(5)(a)-(b)
297.400(1)	297.401 - last two sentences
297.420(1)	297.401(9)(c)1.
297.420(2)(a)-(b)	297.401(9)(c)2.a.-b.
297.570(1)-(3)	297.310(8)(a)-(c)
297.570(3)(a)-(u)	297.310(8)(c)1.-21.

### Rules Fully Repealed, Not Moved

<u>Rule Repealed:</u>	<u>Comment:</u>
204.300	Definition of "SIP" expanded in 204.200
209.100-.800	Entire chapter 62-209 repealed; to be implemented by guidance
210.400(1)-(3) 210.500 last sentence 210.600 210.980	
213.220	Restates statute
215.100 215.200 215.240	
215.300(2)-(6) 215.900(2)	Reproposed at 213.300(4) (FAW notice 3/8/96) Reproposed as part of Form 62-213.900(2) (FAW notice 3/8/96)
242.300	Definition of "Program Area" expanded in 242.200
243.700	Restates statute
244.100-.600	Entire chapter 62-244 repealed; to be implemented by guidance
252.800	Restates statute
257.401	Restates statute
272.300(1) 272.750(1) 272.750(2) Figure 272.750-1	Moved to document adopted by reference at 212.600(2)(c) Included in document adopted by reference at 212.600(2)(c)
273.200-.600	Entire chapter 62-273 repealed; considered obsolete
275.410(1)(a)-(c) 275.600(2)	Repealed in response to EPA approval of redesignations

DARM Rule Repeals and Conforming Amendments: Cross-Reference  
March 24, 1996

**Rule Repealed:**

**Comment:**

296.330  
296.400

Definition of "BACT" in 210.200 to be used in lieu of rule  
Language of "Purpose and Scope" at 296.100 expanded

Figure 297.345-1

Replaced by text at 297.345(3)(e)1.a.-c., effective 1/1/96; then  
moved to 297.310(6)(g)1.a.-c., effective 3/13/96)

297.400(2)

297.411

297.412

297.413

297.414

297.415

Figure 297.415-1

Figure 297.415-2

Figure 297.415-3

297.416

297.417

297.418

297.419

297.421

297.422

297.423

297.424

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# FLORIDA COUNTY LISTING WITH ASSOCIATED FEE REVIEW CONTACT

Northeast & Northwest Districts: Jonathan Holtom / Ed Svec  
 South & Southwest Districts: Charles Logan / Lennon Anderson  
 Central & Southeast Districts: Tom Cascio / Steve Welsh  
 General Fee Questions - All Districts: Bruce Mitchell  
 Contact at: (904) 488-1344

Florida County Code	County Name	FIPS County Code	Contact Engineer
1	Alachua	001	Holtom / Svec
2	Baker	003	Holtom / Svec
3	Bay	005	Holtom / Svec
4	Bradford	007	Holtom / Svec
5	Brevard	009	Cascio / Welsh
6	Broward	011	Cascio / Welsh
7	Calhoun	013	Holtom / Svec
8	Charlotte	015	Logan / Anderson
9	Citrus	017	Logan / Anderson
10	Clay	019	Holtom / Svec
11	Collier	021	Logan / Anderson
12	Columbia	023	Holtom / Svec
13	Dade	025	Cascio / Welsh
14	DeSoto	027	Logan / Anderson
15	Dixie	029	Holtom / Svec
16	Duval	031	Holtom / Svec
17	Escambia	033	Holtom / Svec
18	Flagler	035	Holtom / Svec
19	Franklin	037	Holtom / Svec
20	Gadsden	039	Holtom / Svec
21	Gilchrist	041	Holtom / Svec
22	Glades	043	Logan / Anderson
23	Gulf	045	Holtom / Svec
24	Hamilton	047	Holtom / Svec
25	Hardee	049	Logan / Anderson
26	Hendry	051	Logan / Anderson
27	Hernando	053	Logan / Anderson
28	Highlands	055	Logan / Anderson
29	Hillsborough	057	Logan / Anderson
30	Holmes	059	Holtom / Svec
31	Indian River	061	Logan / Anderson
32	Jackson	063	Holtom / Svec
33	Jefferson	065	Holtom / Svec
34	LaFayette	067	Holtom / Svec

Florida County Code	County Name	FIPS County Code	Contact Engineer
35	Lake	069	Cascio / Welsh
36	Lee	071	Logan / Anderson
37	Leon	073	Holtom / Svec
38	Levy	075	Holtom / Svec
39	Liberty	077	Holtom / Svec
40	Madison	079	Holtom / Svec
41	Manatee	081	Logan / Anderson
42	Marion	083	Cascio / Welsh
43	Martin	085	Cascio / Welsh
44	Monroe	087	Logan / Anderson
45	Nassau	089	Holtom / Svec
46	Okaloosa	091	Holtom / Svec
47	Okeechobee	093	Cascio / Welsh
48	Orange	095	Cascio / Welsh
49	Osceola	097	Cascio / Welsh
50	Palm Beach	099	Cascio / Welsh
51	Pasco	101	Logan / Anderson
52	Pinellas	103	Logan / Anderson
53	Polk	105	Logan / Anderson
54	Putnam	107	Holtom / Svec
55	Saint Johns	109	Holtom / Svec
56	Saint Lucie	111	Cascio / Welsh
57	Santa Rose	113	Holtom / Svec
58	Sarasota	115	Logan / Anderson
59	Seminole	117	Cascio / Welsh
60	Sumter	119	Logan / Anderson
61	Suwannee	121	Holtom / Svec
62	Taylor	123	Holtom / Svec
63	Union	125	Holtom / Svec
64	Volusia	127	Cascio / Welsh
65	Wakulla	129	Holtom / Svec
66	Walton	131	Holtom / Svec
67	Washington	133	Holtom / Svec



EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
<b>Part 60 - EPA Regulations on Standards of Performance for New Stationary Sources</b>						
Subpart A — General Provisions						
60.7	Notification and record keeping.	0050014		×		Unit 003
60.8	Performance tests.	0050014		×		Unit 003
60.11	Compliance with standards and maintenance requirements.	0050014		×		Unit 003
60.12	Circumvention.	0050014		×		Unit 003
60.13	Monitoring requirements	0050014		×		Unit 003
60.19	General notifications and reporting requirements	0050014		×		Unit 003
Subpart D — Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971						
60.42	Standard for particulate matter.	0050014		×		Unit 003
60.43	Standard for sulfur dioxide.	0050014		×		Unit 003
60.44	Standard for nitrogen oxides.	0050014		×		Unit 003
60.45	Emission and fuel monitoring.	0050014		×		Unit 003
60.46	Test methods and procedures.	0050014		×		Unit 003
Subpart Da — Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978						
60.42a	Standard for particulate matter.	0050014		×		Unit 003
60.43a	Standard for sulfur dioxide.	0050014		×		Unit 003
60.44a	Standard for nitrogen oxides.	0050014		×		Unit 003
60.45a	Commercial demonstration permit.	0050014		×		Unit 003
60.46a	Compliance provisions.	0050014		×		Unit 003
60.47a	Emission monitoring.	0050014		×		Unit 003

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
60.48a	Compliance determination procedures and methods.	0050014		×		Unit 003
60.49a	Reporting requirements.	0050014		×		Unit 003
Subpart Db — Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units						
60.42b	Standard for sulfur dioxide.	0050014		×		Unit 003
60.43b	Standard for particulate matter.	0050014		×		Unit 003
60.44b	Standard for nitrogen oxides.	0050014		×		Unit 003
60.45b	Compliance and performance test methods and procedures for sulfur dioxide.	0050014		×		Unit 003
60.46b	Compliance and performance test methods and procedures for particulate matter and nitrogen oxides.	0050014		×		Unit 003
60.47b	Emission monitoring for sulfur dioxide.	0050014		×		Unit 003
60.48b	Emission monitoring for particulate matter and nitrogen oxides.	0050014		×		Unit 003
60.49b	Reporting and recordkeeping.	0050014		×		Unit 003
Subpart Dc — Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units						
60.42c	Standard for sulfur dioxide.	0050014		×		Unit 003
60.43c	Standard for particulate matter.	0050014		×		Unit 003
60.44c	Compliance and performance test methods and procedures for sulfur dioxide.	0050014		×		Unit 003
60.45c	Compliance and performance test methods and procedures for particulate matter.	0050014		×		Unit 003
60.46c	Emission monitoring for sulfur dioxide.	0050014		×		Unit 003
60.47c	Emission monitoring for particulate matter.	0050014		×		Unit 003
60.48c	Reporting and recordkeeping.	0050014		×		Unit 003

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
Subpart K — Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978						
60.112	Standard for volatile organic compounds (VOC).	0050014		×		Unit 003
60.113	Monitoring of operations.	0050014		×		Unit 003
Subpart Ka — Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984						
60.112a	Standard for volatile organic compounds (VOC).	0050014		×		Unit 003
60.113a	Testing and procedures.	0050014		×		Unit 003
60.114a	Alternative means of emission limitations.	0050014		×		Unit 003
60.115a	Monitoring of operations.	0050014		×		Unit 003
Subpart Kb — Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984						
60.112b	Standard for volatile organic compounds (VOC).	0050014		×		Unit 003
60.113b	Testing and procedures.	0050014		×		Unit 003
60.114b	Alternative means of emission limitations.	0050014		×		Unit 003
60.115b	Recordkeeping and reporting requirements.	0050014		×		Unit 003
60.116b	Monitoring of operations.	0050014		×		Unit 003
Subpart Y — Standards of Performance for Coal Preparation Plants						
60.252	Standard for particulate matter.	0050014		×		Unit 003
60.253	Monitoring of operations.	0050014		×		Unit 003
60.254	Test methods and procedures.	0050014		×		Unit 003
Subpart GG — Standards of Performance for Stationary Gas Turbines						
60.332	Standard for nitrogen oxides.	0050014		×		Unit 003

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
60.333	Standard for sulfur dioxide.	0050014		×		Unit 003
60.334	Monitoring of operations.	0050014		×		Unit 003
60.335	Test methods and procedures.	0050014		×		Unit 003
Subpart 000 — Standards of Performance for Nonmetallic Mineral Processing Plants						
60.672	Standard for Particulate Matter.	0050014		×		Unit 003
60.674	Monitoring of Operations.	0050014		×		Unit 003
60.676	Reporting and Recordkeeping.	0050014		×		Unit 003
<b>Part 61 - EPA Regulations on National Emission Standards for Hazardous Air Pollutants</b>						
Subpart A — General Provisions						
61.05	Prohibited Activities.	0050014	✓			Facility
61.09	Notification of Startup.	0050014		×		Facility
61.10	Source Reporting and Request for Waiver of Compliance.	0050014		×		Facility
61.11	Waiver of Compliance.	0050014		×		Facility
61.12(b)	Compliance with Standards and Maintenance Requirements.	0050014	✓			Facility
61.13	Emission Tests and Waiver of Emission Tests.	0050014		×		Facility
61.14	Monitoring Requirements.	0050014		×		Facility
61.19	Circumvention.	0050014		×		Facility
Subpart M — National Emission Standards for Asbestos		0050014	✓			Facility
Appendix C to Part 61 — Quality Assurance Procedures		0050014	✓			Facility
<b>Part 63 - EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories</b>						
Subpart A — General Provisions						
63.4	Prohibited Activities and Circumvention.	0050014		X		Unit 003

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
63.6	Compliance with Standards and Maintenance Requirements.	0050014		×		Unit 003
63.7	Performance Testing Requirements.	0050014		×		Unit 003
63.8	Monitoring Requirements.	0050014		×		Unit 003
63.9	Notification Requirements.	0050014		×		Unit 003
63.10	Reporting and Recordkeeping Requirements.	0050014		×		Unit 003
63.11	Control Device Requirements.	0050014		×		Unit 003
Subpart Q — National Emission Standards for Industrial Process Cooling Towers						
63.402	Standard.	0050014		×		Unit 003
63.403	Compliance Dates.	0050014		×		Unit 003
63.404	Compliance Demonstrations.	0050014		×		Unit 003
63.405	Notification Requirements.	0050014		×		Unit 003
63.406	Recordkeeping and Reporting Requirements.	0050014		×		Unit 003
Subpart T — National Emission Standards for Halogenated Solvent Cleaning						
63.462	Batch Cold Cleaning Machine Standards.	0050014		×		Unit 003
63.463	Batch Vapor and In-Line Cleaning Machine Standards.	0050014		×		Unit 003
63.464	Alternative Standards.	0050014		×		Unit 003
63.465	Test Methods.	0050014		×		Unit 003
63.466	Monitoring Procedures.	0050014		×		Unit 003
63.467	Recordkeeping Requirements.	0050014		×		Unit 003
63.468	Reporting Requirements.	0050014		×		Unit 003
<b>Part 72 - EPA Acid Rain Program Permits</b>						
Subpart A — General Provisions						

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
72.7	New Units Exemption.	0050014		×		Unit 003
72.8	Retired Units Exemption.	0050014		×		Unit 003
72.9	Standard Requirements.	0050014		×		Unit 003
Subpart B — Designated Representative						
72.20	Authorization and Responsibilities of the Designated Representative	0050014		×		Unit 003
72.21	Submissions.	0050014		×		Unit 003
72.22	Alternate Designated Representative.	0050014		×		Unit 003
72.23	Changing the Designated Representative, Alternate Designated Representative; Changes in the Owners and Operators.	0050014		×		Unit 003
Subpart C — Acid Rain Applications						
72.30	Requirements to Apply.	0050014		×		Unit 003
72.32	Permit Applications Shield and Binding Effect of Permit Application.	0050014		×		Unit 003
72.33	Identification of Dispatch System.	0050014		×		Unit 003
Subpart D — Acid Rain Compliance Plan and Compliance Options						
72.40	General.	0050014		×		Unit 003
72.41	Phase I Substitution Plans.	0050014		×		Unit 003
72.42	Phase I Extension Plans.	0050014		×		Unit 003
72.43	Phase I Reduced Utilization Plans.	0050014		×		Unit 003
72.44	Phase II Repowering Extensions.	0050014		×		Unit 003
Subpart E — Acid Rain Permit Contents						
72.51	Permit Shield.	0050014		×		Unit 003
Subpart I - Compliance Certification						

EPA Rule	GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
72.90	Annual Compliance Certification Report.	0050014		×		Unit 003
72.91	Phase I Unit Adjusted Utilization.	0050014		×		Unit 003
72.92	Phase I Unit Allowance Surrender.	0050014		×		Unit 003
72.93	Units with Phase I Extension Plans.	0050014		×		Unit 003
72.94	Units with Repowering Extension Plans.	0050014		×		Unit 003
<b>Part 73 - EPA Acid Rain Program Sulfur Dioxide Allowance System</b>						
Subpart C — Allowance Tracking System						
73.33	Authorized Account Representative	0050014		×		Unit 003
73.35	Compliance.	0050014		×		Unit 003
<b>Part 75 - EPA Acid Rain Program For Continuous Emission Monitoring</b>						
Subpart A — General						
75.4	Compliance Dates.	0050014		×		Unit 003
75.5	Prohibitions.	0050014		×		Unit 003
Subpart B — Monitoring Provisions						
75.10	General Operating Requirements.	0050014		×		Unit 003
75.11	Specific Provisions for Monitoring SO <sub>2</sub> Emissions (SO <sub>2</sub> and Flow Monitors).	0050014		×		Unit 003
75.12	Specific Provisions for Monitoring NO <sub>x</sub> Emissions (NO <sub>x</sub> and Diluent Gas Monitors).	0050014		×		Unit 003
75.13	Specific Provisions for Monitoring CO <sub>2</sub> Emissions.	0050014		×		Unit 003
75.14	Specific Provisions for Monitoring Opacity.	0050014		×		Unit 003
75.15	Specific Provisions for Monitoring SO <sub>2</sub> Emissions Removal by Qualifying Phase I Technology.	0050014		×		Unit 003

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
75.16	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for SO <sub>2</sub> Emissions and Heat Input Determinations.	0050014		×		Unit 003
75.17	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for NO <sub>x</sub> Emission Rate.	0050014		×		Unit 003
75.18	Specific Provisions for Monitoring Emissions from Common, By-Pass, and Multiple Stacks for Opacity.	0050014		×		Unit 003
Subpart C — Operation and Maintenance Requirements						
75.20	Certification and Recertification Procedures.	0050014		×		Unit 003
75.21	Quality Assurance and Quality Control Requirements.	0050014		×		Unit 003
75.22	Reference Test Methods.	0050014		×		Unit 003
75.24	Out-of-Control Periods.	0050014		×		Unit 003
Subpart D — Missing Data Substitution Procedures						
75.30	General Provisions.	0050014		×		Unit 003
75.31	Initial Missing Data Procedures.	0050014		×		Unit 003
75.32	Determination of Monitor Data Availability for Standard Missing Data Procedures.	0050014		×		Unit 003
75.33	Standard Missing Data Procedures.	0050014		×		Unit 003
75.34	Units with Add-On Emission Controls.	0050014		×		Unit 003
75.35	Missing Data Procedures for CO <sub>2</sub>	0050014		×		Unit 003
75.36	Missing Data Procedures for Heat Input	0050014		×		Unit 003
Subpart E — Alternative Monitoring Systems						
75.40	General Demonstration Requirements.	0050014		×		Unit 003
75.41	Precision Criteria.	0050014		×		Unit 003
75.42	Reliability Criteria.	0050014		×		Unit 003



EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
75.43	Accessibility Criteria.	0050014		×		Unit 003
75.44	Timeliness Criteria.	0050014		×		Unit 003
75.45	Daily Quality Assurance Criteria.	0050014		×		Unit 003
75.46	Missing Data Substitution Criteria.	0050014		×		Unit 003
75.47	Criteria for a Class of Affected Units.	0050014		×		Unit 003
75.48	Petition for an Alternative Monitoring System.	0050014		×		Unit 003
Subpart F — Recordkeeping Requirements						
75.50	General Recordkeeping Provisions.	0050014		×		Unit 003
75.51	General Recordkeeping Provisions for Specific Situations.	0050014		×		Unit 003
75.52	Certification, Quality Assurance, and Quality Control Record Provisions.	0050014		×		Unit 003
75.53	Monitoring Plan.	0050014		×		Unit 003
75.54	General Recordkeeping Provisions	0050014		×		Unit 003
75.55	General Recordkeeping Provisions for Special Situations	0050014		×		Unit 003
75.56	Certification, Quality Assurance and Quality Control Record Provision	0050014		×		Unit 003
Subpart G — Reporting Requirements						
75.60	General Provisions.	0050014		×		Unit 003
75.61	Notification of Certification and Recertification Test Dates.	0050014		×		Unit 003
75.62	Monitoring Plan.	0050014		×		Unit 003
75.63	Certification or Recertification Applications.	0050014		×		Unit 003
75.64	Quarterly Reports.	0050014		×		Unit 003
75.65	Opacity Reports.	0050014		×		Unit 003

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
Appendix A to Part 75 — Specifications and Test Procedures		0050014		×		Unit 003
Appendix B to Part 75 — Quality Assurance and Quality Control Procedures		0050014		×		Unit 003
Appendix C to Part 75 — Missing Data Statistical Estimation Procedures		0050014		×		Unit 003
Appendix D to Part 75 — Optional SO <sub>2</sub> Emissions Data Protocol for Gas-Fired Units and Oil-Fired Units		0050014		×		Unit 003
Appendix E to Part 75 — Optional NO <sub>x</sub> Emissions Estimation Protocol for Gas-Fired Peaking Units and Oil-Fired Peaking Units		0050014		×		Unit 003
<b>EPA Part 76 - Acid Rain Nitrogen Oxides Emission Reduction Program</b>						
76.5	NO <sub>x</sub> Emission Limitations for Group 1 Boilers.	0050014		×		Unit 003
76.8	Early Election for Group 1, Phase II Boilers.	0050014		×		Unit 003
76.9	Permit Applications and Compliance Plans.	0050014		×		Unit 003
76.10	Alternative Emission Limitations.	0050014		×		Unit 003
76.11	Emissions Averaging.	0050014		×		Unit 003
76.12	Phase I NO <sub>x</sub> Compliance Extensions.	0050014		×		Unit 003
76.13	Compliance and Excess Emissions	0050014		×		Unit 003
76.14	Monitoring, Recordkeeping, and Reporting.	0050014		×		Unit 003
76.15	Test Methods and Procedures.	0050014		×		Unit 003
<b>EPA Part 77 - Excess Emissions</b>						
77.3	Offset Plans	0050014		×		Unit 003
77.5(b)	Deduction of Allowances	0050014		×		Unit 003
77.6	Excess Emission Penalties for SO <sub>2</sub> and No <sub>x</sub> ; and	0050014		×		Unit 003
<b>EPA Part 82 - Protection Of Stratospheric Ozone</b>						

EPA Rule	GULF POWER - SMITH UNIT 3 -COMBUSTION TURBINE EPA APPLICABLE REQUIREMENTS LIST  EPA Title	(AIRS) Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
Subpart B - Servicing of Motor Vehicle Air Conditioners						
82.34	Prohibitions.	0050014		×		Facility
82.36	Approved refrigerant recycling equipment.	0050014		×		Facility
82.38	Approved independent standards testing organizations.	0050014		×		Facility
82.40	Technician training and certification.	0050014		×		Facility
82.42	Certification, recordkeeping and public notification requirements.	0050014		×		Facility
Subpart F - Recycling and Emissions Reduction						
82.154	Prohibitions.	0050014		×		Facility
82.156	Required practice.	0050014		×		Facility
82.158	Standards for recycling and recovery equipment.	0050014		×		Facility
82.160	Approved equipment testing organizations.	0050014		×		Facility
82.161	Technician certification.	0050014		×		Facility
82.162	Certification by owners of recovery and recycling equipment.	0050014		×		Facility
82.164	Reclaimer certification.	0050014		×		Facility
82.166(k)(m)	Reporting and recordkeeping requirements for owners/operators.	0050014		×	Facility has no units >50 lbs.	Facility
40 CFR 279.72	Used Oil Regulations	0050014	✓		Facility burns on-spec used oil.	Facility

FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
<b>GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST</b>						
<b>Chapter 62-4 Permits</b>						
62-4.030	General Prohibition.	0050014	✓		State Only	Facility
62-4.040(1)	Exemptions	0050014	✓		State Only	Facility
62-4.100	Suspension and Revocation.	0050014	✓		State Only	Facility
62-4.130	Plant Operation - Problems.	0050014	✓		State Only	Facility
<b>Chapter 62-204 State Implementation Plan</b>						
62-204.800	Standards of Performance for New Stationary Sources (NSPS) (see 40 CFR 60 list for subsections).					
	(7) Standards Adopted.	0050014		×	State only.	Unit 003
	(b) The following Standards of Performance for New Stationary Sources contained in 40 CFR 60, revised as of July 1, 1994, or later as specifically indicated.	0050014		×	State only.	Unit 003
	1. 40 CFR 60.40 Subpart D, Fossil-fuel-fired Steam Generators for which Construction is Commenced after August 17, 1971.	0050014		×	State only.	Unit 003
	2. 40 CFR 60.40a Subpart Da, Electric Utility Steam Generators for which Construction is Commenced after September 18, 1978.	0050014		×	State only.	Unit 003
	3. 40 CFR 60.40b Subpart Db, Industrial-Commercial-Institutional Steam Generating Units.	0050014		×	State only.	Unit 003
	4. 40 CFR 60.40c Subpart Dc, Small Industrial-Commercial-Institutional Steam Generating Units.	0050014		×	State only.	Unit 003
	12. 40 CFR 60.110 Subpart K, Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after June 11, 1973, and prior to May 19, 1978.	0050014		×	State only.	Unit 003
	13. 40 CFR 60.110a Subpart Ka, Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after May 18, 1978, and prior to July 23, 1984.	0050014		×	State only.	Unit 003

FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-204.800	14. 40 CFR 60.110b Subpart Kb, Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.	0050014		×	State only.	Unit 003
	29. 40 CFR 60.250 Subpart Y, Coal Preparation Plants.	0050014		×	State only.	Unit 003
	37. 40 CFR 60.330 Subpart GG, Stationary Gas Turbines.	0050014		×	State only.	Unit 003
	62. 40 CFR 60.670 Subpart OOO, Non-Metallic Mineral Processing Plants.	0050014		×	State only.	Unit 003
62-204.800(7)	(c) The Standards of Performance for New Stationary Sources adopted by reference in this section shall be controlling over other standards in this chapter except that any emissions limiting standard contained in or determined pursuant to this chapter which is more stringent than one contained in a Standard of Performance, or which regulates emissions of pollutants or emissions units not regulated by an applicable Standard of Performance, shall apply.	0050014		×	State only.	Unit 003
	(7)(d) General Provisions Adopted.	0050014		×	State only.	Unit 003
	(7)(e) Appendices Adopted. The following appendices of 40 CFR Part 60, revised as of July 1, 1994 or later as specifically indicated, are adopted and incorporated by reference.	0050014		×	State only.	Unit 003
	1. 40 CFR 60 Appendix A, Test Methods, are adopted by reference.	0050014		×	State only.	Unit 003
	2. 40 CFR 60 Appendix B, Performance Specifications.	0050014		×	State only.	Unit 003
	3. 40 CFR 60 Appendix C, Determination of Emission Rate Change.	0050014		×	State only.	Unit 003
	5. 40 CFR 60 Appendix F, Quality Assurance Procedures.	0050014		×	State only.	Unit 003
62-204.800(8)	National Emission Standards for Hazardous Air Pollutants (NESHAPS).					
	(8) Standards Adopted.	0050014		×	State only.	Unit 003
	(b)8. 40 CFR Part 61 Subpart M Asbestos.	0050014	✓		State only.	Unit 003

FDEP Rule	GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-204.800(8)	(d) General Provisions Adopted. The general provisions of 40 CFR Part 61 Subpart A, revised July 1, 1994, are adopted and incorporated by reference except 40 CFR 61.04, 40 CFR 61.08, 40 CFR 61.11, and 40 CFR 61.18.	0050014	✓		State only.	Unit 003
62-204.800(9)	National Emission Standards for Hazardous Air Pollutants (NESHAPS) - Part 63.					
	(9) Standards Adopted.	0050014		×	State only.	Unit 003
	(b) 40 CFR 63 Subpart Q Chromium Emissions from Industrial Process Cooling Towers*	0050014		×	State only. *This regulation was proposed for incorporation in the FAW on March 8, 1996; not yet "effective" on state level.	Unit 003
	(a) 40 CFR 63 Subpart T Halogenated Solvent Cleaning*	0050014		×	State only. *This regulation was proposed for incorporation in the FAW on March 8, 1996; not yet "effective" on state level.	Unit 003
	(d) General Subparts Adopted.	0050014		×	State only.	Unit 003
	1. 40 CFR 63 Subpart A, General Provisions	0050014		×	State only.	Unit 003
	2. 40 CFR 63 Subpart B, Equivalent Emission Limitation by Permit (112(j))	0050014		×	State only.	Unit 003
	4. 40 CFR 63 Subpart D, Compliance Extensions for Early Reductions	0050014		×	State only.	Unit 003
62-204.800 (11)	Adoption of 40 CFR 70, Federal Title V Rule	0050014		×	State only.	Facility
62-204.800 (12)	Adoption of 40 CFR 72, Federal Acid Rain Program	0050014		×	State only.	Unit 003
62-204.800 (13)	Adoption of 40 CFR 73, S02 Allowance System	0050014		×	State only.	Unit 003
62-204.800 (14)	Adoption of 40 CFR 75, CEMS	0050014		×	State only.	Unit 003
62-204.800 (15)	Adoption of 40 CFR 76, Acid Rain Nox Requirement	0050014		×	State only.	Unit 003
62-204.800 (16)	Adoption of 40 CFR 77, Acid Rain Excess Emissions	0050014		×	State only.	Unit 003

FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-204.800 (19)	Adoption of 40 CFR 82, Stratospheric Ozone	0050014		X	State only.	Unit 003/ Facility
<b>Chapter 62-210 Stationary Sources - General Requirements</b>						
62-210.300	Permits Required.					
	(2) Air Operation Permits.	0050014	✓			Facility
	(3)(a) Exemptions - #1-29.	0050014	✓			Facility
	(3)(b) Temporary Exemptions.	0050014	✓			Facility
62-210.300	(5) Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Department in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.	0050014	✓		May apply in the future.	Facility
	(a) The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.	0050014	✓		May apply in the future.	Facility
	(b) If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Department as soon as possible after the date of such startup is ascertained.	0050014	✓		May apply in the future.	Facility
62-210.370	Reports.					
	(1) Notification of Intent to Relocate Air Pollutant Emitting Facility.	0050014		X		Unit 003
	(3) Annual Operating Report for Air Pollutant Emitting Facility.	0050014	✓			Facility
62-210.650	Circumvention.	0050014		X		Unit 003
62-210.700(1)(4)(6)	Excess Emissions.	0050014	✓			Unit 003
62-210.900	Forms and Instructions.	0050014	✓			Facility
	(5) Annual Operating Reports	0050014	✓			Facility
<b>Chapter 62-213 Operation Permits for Major Sources of Air Pollution</b>						

FDEP Rule	GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-213.205	Annual Emissions Fee.	0050014	✓			Facility
62-213.400	Permits and Permit Revisions Required.	0050014	✓			Facility
62-213.410	Changes Without Permit Revision.	0050014	✓			Facility
62-213.415	Trading of Emissions Within a Source.	0050014	✓		May apply in the future.	Unit 003 /Facility
62-213.460	Permit Shield.	0050014	✓			Facility
<b>Chapter 62-214 Requirements for Sources Subject to the Federal Acid Rain Program</b>						
62-214.300	Applicability.	0050014		×		Unit 003
62-214.340	Exemptions.					
	(5) The owners and operators of each unit . . .	0050014		×		Unit 003
	(6) A new unit shall no longer be exempted . . .	0050014		×		Unit 003
	(7) A retired unit shall no longer be exempted . . .	0050014		×		Unit 003
62-214.350	Certification.	0050014		×		Unit 003
62-214.430	Implementation and Termination of Compliance Options. Procedures for activation and termination of compliance options.					
	(1) Activation.	0050014		×		Unit 003
	(2) Termination.	0050014		×		Unit 003
<b>Chapter 62-252 Gasoline Vapor Control</b>						
62-252.300	Gasoline Dispensing Facilities - Stage I Vapor Recovery.					
	(2) Prohibition.	0050014		×		Facility
	(3) Control Technology Requirements.	0050014		×		Facility
	(4) Compliance Schedule.	0050014		×	State Only	Facility
62-252.400	Gasoline Dispensing Facilities - Stage II Vapor Recovery.					
	(2) Prohibition.	0050014		×	State Only	Facility



<b>GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST</b>						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(3) Control Technology Requirements.	0050014		×	State Only	Facility
	(4) Compliance Schedules.	0050014		×	State Only	Facility
	(5) Testing.	0050014		×	State Only	Facility
	(6) Recordkeeping.	0050014		×	State Only	Facility
	(7) System Maintenance.	0050014		×	State Only	Facility
62-252.400	(8) Training.	0050014		×	State Only	Facility
62-252.500	Gasoline Tanker Trucks.					
	(2) Prohibitions.	0050014		×	State Only	Facility
	(3) Leak Testing.	0050014		×	State Only	Facility
<b>Chapter 62-256 Open Burning and Frost Protection Fires</b>						
62-256.300	Prohibitions.	0050014	✓		State Only	Facility
62-256.450	Burning for Cold or Frost Protection.	0050014		×	State Only	Facility
62-256.500	Land Clearing.	0050014	✓		State Only	Facility
62-256.600	Industrial, Commercial, Municipal, and Research Open Burning.	0050014	✓		State Only	Facility
62-256.700	Open Burning Allowed.	0050014	✓		State Only	Facility
<b>Chapter 62-257 Asbestos Removal</b>						
62-257.301	Notification Procedure and Fee.	0050014	✓		State Only	Facility
62-257.400	Fee Schedule.	0050014	✓		State Only	Facility
62-257.900	Form.	0050014	✓		State Only	Facility
<b>Chapter 62-281 Motor Vehicle Air Conditioning Refrigerant Recovery and Recycling.</b>						
62-281.300	Applicability.	0050014		×	State Only	Facility
62-281.400	Compliance Requirements.	0050014		×	State Only	Facility
62-281.500	Establishment Certification.					

GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-281.500	(1) Initial Certification.	0050014		×	State Only	Facility
	(2) Renewal Certification.	0050014		×	State Only	Facility
	(3) Fees.	0050014		×	State Only	Facility
	(4) Certificate of Compliance.	0050014		×	State Only	Facility
62-281.600	Training Requirements.	0050014		×	State Only	Facility
62-281.700	Equipment Certification.	0050014		×	State Only	Facility
62-281.900	Forms.	0050014		×	State Only	Facility
<b>Chapter 62-296 Stationary Sources – Emission Standards</b>						
62-296.320	General Pollutant Emission Limiting Standards.					
	(1) Volatile organic compounds emissions or organic solvents emissions.	0050014		×		Facility
	(2) Objectionable Odor Prohibited.	0050014	✓			Facility
	(3) Open Burning.	0050014	✓		State Only	Facility
	(4)(a) Process Weight Table.	0050014		×		Unit 003
	(4)(b) General Visible Emissions Standard.	0050014	✓			Unit003/ Facility
	(4)(c) Unconfined Emissions of Particulate Matter.	0050014	✓			Facility
62-296.405	Fossil Fuel Steam Generators with More than 250 Million Btu per Hour Heat Input.					
	(1) Existing Emissions Units.					
	(a) Visible emissions.	0050014		×		Unit 003
	(b) Particulate Matter - 0.1 pound per million Btu heat input, as measured by applicable compliance methods.	0050014		×		Unit 003
	(c) Sulfur Dioxide, as measured by applicable compliance methods.	0050014		×		Unit 003
	1. Sources burning liquid fuel.	0050014		×		Unit 003

FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	2. Sources burning solid fuel.	0050014		X		Unit 003
	3. Owners of fossil fuel steam generators shall monitor their emissions and the effects of the emissions on ambient concentrations of sulfur dioxide, in a manner, frequency, and locations approved, and deemed reasonably necessary and ordered by the Department.	0050014		X		Unit 003
	(d) Nitrogen Oxides (expressed as NO <sub>x</sub> ).	0050014		X		Unit 003
62-296.405	(e) Test Methods and Procedures.	0050014		X	Presumably federally enforceable.	Unit 003
	(f) Continuous Emissions Monitoring Requirements.	0050014		X		Unit 003
	(g) Quarterly Reporting Requirements.	0050014		X		Unit 003
	(2) New Emissions Units.					
	(a) Visible Emissions - See Rule 62-204.800(7) and 40 CFR 60.42 and 60.42a	0050014		X		Unit 003
	(b) Particulate Matter - See Rule 62-204.800(7) and 40 CFR 60.42 and 60.42a	0050014		X		Unit 003
	(c) Sulfur Dioxide - See Rule 62-204.800(7) and 40 CFR 60.43 and 60.43a	0050014		X		Unit 003
	(d) Nitrogen Oxides - See Rule 62-204.800(7) and 40 CFR 60.44 and 60.44a	0050014		X		Unit 003
62-296.406	Fossil Fuel Steam Generators with Less than 250 Million Btu per Hour Heat Input, New and Existing Emissions Units.					
	(1) Visible Emissions	0050014		X		Unit 003
	(2) Particulate Matter - Best available control technology in accordance with Rule 62-210.200(40)	0050014		X		Unit 003
	(3) Sulfur Dioxide - Best available control technology in accordance with Rule 62-210.200(40)	0050014		X		Unit 003
62-296.411	Sulfur Storage and Handling Facilities	0050014		X		Unit 003
62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxides (NO <sub>x</sub> ) Emitting Facilities.					

FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(1) Applicability.	0050014		X		Unit 003
	(2) Permit, Recordkeeping, and Compliance Reporting Requirements.	0050014		X		Unit 003
	(a) Permits - Special Considerations.	0050014		X		Unit 003
	(b) Recordkeeping.	0050014		X		Unit 003
62-296.500	(c) Reporting.	0050014		X		Unit 003
	(3) Exceptions.	0050014		X		Unit 003
	(4) Consideration of Exempt Solvents	0050014		X		Unit 003
	(5) Compliance may be demonstrated for surface coating and graphic arts facilities on a 24-hour weighted average basis for a single source point with a single emission limit.	0050014		X		Unit 003
62-296.508	Petroleum Liquid Storage					
	(1) Applicability.	0050014		X		Unit 003
	(2) Control Technology.	0050014		X		Unit 003
	(3) Test Methods and Procedures.	0050014		X		Unit 003
62-296.511	Solvent Metal Cleaning.					
	(1) Applicability.	0050014		X		Unit 003
	(2) Cold Cleaning Control Technology.	0050014		X		Unit 003
	(3) Open Top Vapor Degreaser Control Technology.	0050014		X		Unit 003
	(4) ConveyORIZED Degreaser Control Technology.	0050014		X		Unit 003
	(5) Test Methods and Procedures.	0050014		X	* 8-hr test requirement not in SIP.	Unit 003
62-296.516	Petroleum Liquid Storage Tanks with External Floating Roofs					
	(1) Applicability.	0050014		X		Unit 003
	(2) Control Technology.	0050014		X		Unit 003

FDEP Rule	GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(3) Test Methods and Procedures.	0050014		X		Unit 003
62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- 0050014 and NO <sub>x</sub> - Emitting Facilities.					
	(1) Applicability.	0050014		X	State Only	Unit 003
	(2) Compliance Requirements.	0050014		X	State Only	Unit 003
62-296.570	(3) Operation Permit Requirements.	0050014		X	State Only	Unit 003
	(4) RACT Emission Limiting Standards.	0050014		X	State Only	Unit 003
	(a) Compliance Dates and Monitoring.	0050014		X	State Only	Unit 003
	(b) Emission Limiting Standards.	0050014		X	State Only	Unit 003
	(c) Exception for Startup, Shutdown or Malfunction.	0050014		X	State Only	Unit 003
62-296.700	Reasonably Available Control Technology (RACT) Particulate Matter.					
	(1) Applicability.	0050014		X		Unit 003
	(2) Exemptions.	0050014		X		Unit 003
	(3) Specific RACT Emission Limiting Standards for Stationary Emissions Units.	0050014		X		Unit 003
	(4) Maximum Allowable Emission Rates.	0050014		X		Unit 003
	(a) Emissions Unit Data.	0050014		X		Unit 003
	(b) Maximum Emission Rates.	0050014		X		Unit 003
	(5) Circumvention.	0050014		X		Unit 003
	(6) Operation and Maintenance Plan.	0050014		X		Unit 003
	(a) Air Pollution Control Devices and Collection Systems.	0050014		X		Unit 003
	(b) Control Equipment Data.	0050014		X		Unit 003
	(c) Processing or Materials Handling Systems.	0050014		X		Unit 003
	(d) Fossil Fuel Steam Generators.	0050014		X		Unit 003

FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
62-296.702	Fossil Fuel Steam Generators.					
	(1) Applicability.	0050014		×		Unit 003
	(2) Emission Limitations.	0050014		×		Unit 003
	(a) Particulate Matter - 0.10 lb/mmBtu	0050014		×		Unit 003
62-296.711	(b) Visible Emissions - 20% opacity.	0050014		×		Unit 003
	(3) Test Methods and Procedures.	0050014		×		Unit 003
	Materials Handling, Sizing, Screening, Crushing and Grinding Operations.					
	(1) Applicability	0050014		×		Unit 003
	(2) Emission Limitations.	0050014		×		Unit 003
	(3) Test Methods and Procedures.	0050014		×		Unit 003
<b>Chapter 62-297 Stationary Sources -- Emission Monitoring</b>						
62-297.310	General Test Requirements.	0050014				
	(1) Required Number of Test Runs	0050014		×		Unit 003
	(2) Operating Rate During Testing	0050014	✓		62-297.310(2)(a)CT (Reserved)	Unit 003
	(3) Calculation of Emission Rate	0050014		×		Unit 003
	(4) Applicable Test Procedures.	0050014		×		Unit 003
	(a) Required Sampling Time.	0050014		×		Unit 003
	1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.	0050014		×		Unit 003
	2. Opacity Compliance Tests.	0050014	✓			Unit 003
	(b) Minimum Sample Volume.	0050014		×		Unit 003
	(c) Required Flow Rate Range.	0050014		×		Unit 003

FDEP Rule	GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST  FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	(d) Calibration.	0050014		×		Unit 003
	(e) EPA Method 5.	0050014		×		Unit 003
	(5) Determination of Process Variables.	0050014		×		Unit 003
	(6) Required Stack Sampling Facilities					
	(a) Permanent Test Facilities.	0050014		×		Unit 003
	(b) Temporary Test Facilities.	0050014		×		Unit 003
	(c) Test Facilities.	0050014		×		Unit 003
62-297.310	1. Sampling Ports.	0050014		×		Unit 003
	(d) Work Platforms.	0050014		×		Unit 003
	(e) Access.	0050014		×		Unit 003
	(f) Electrical Power.	0050014		×		Unit 003
	(g) Sampling Equipment Support.	0050014		×		Unit 003
	(7) Frequency of Compliance Tests.					
	(a) General Compliance Testing.	0050014				Unit 003
	1. Compliance test requirement prior to obtaining operating permit.	0050014		×		Unit 003
	2. Annual test requirement for excess PM emissions.	0050014		×		Unit 003
	3. Annual test requirement prior to obtaining renewal permit.	0050014	✓			Unit 003
	4.(a) Annual VE test,	0050014		×		Unit 003
	(b) Annual test for lead, acrylonitrile and other regulated pollutants,	0050014		×		Unit 003
	(c) Annual test for each NESHAP pollutant	0050014		×		Unit 003
	5. No annual PM test required if burn no liquid and/or solid fuel for greater than 400 hrs/year.	0050014		×		Unit 003
	6. Exemption from semi-annual PM test for steam generators.	0050014		×		Unit 003

GULF POWER - SMITH UNIT 3 - COMBUSTION TURBINE FDEP APPLICABLE REQUIREMENTS LIST						
FDEP Rule	FDEP Title	Facility Emission Unit Identification Number(s)	Applicable Requirement		Comments/Discussion	Unit/Facility Potential Applicability
			Yes	No/NA		
	7. Exemption from quarterly PM test for units not utilizing liquid and/or solid fuel for more than 100 hrs.	0050014		×		Unit 003
	8. Five year VE test requirement for units that operate no more than 400 hrs/year.	0050014		×	Renewal VE test only. See 62-297.310 (7)(a) 3.	Unit 003
	9. Fifteen day advance notification requirement prior to test.	0050014		×		Unit 003
	10. Compliance test exemption for exempt units and units utilizing a general permit.	0050014		×		Unit 003
62-297.310	(b) Special Compliance Tests.	0050014	✓		Applicable upon a complaint.	Unit 003
	(c) Waiver of Compliance Test Requirement.	0050014		×		Unit 003
	(8) Test Reports.	0050014	✓		Renewal VE test only.	Unit 003



## E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 3

Plant Lansing Smith Combustion Turbine

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	Twin Stacks		
2. Emission Point Type Code :	1		
3. Descriptions of Emission Points Comprising this Emissions Unit :	There are two stacks for the combustion turbine.		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :	003 Smith Combustion Turbine		
5. Discharge Type Code :	V		
6. Stack Height :	33	feet	
7. Exit Diameter :	13.7	feet	
8. Exit Temperature :	1200	°F	
9. Actual Volumetric Flow Rate :	1069740	acfm	
10. Percent Water Vapor :	%		
11. Maximum Dry Standard Flow Rate :	dscfm		
12. Nonstack Emission Point Height :	feet		
13. Emission Point UTM Coordinates :	Zone : 16                      East (km) : 6251.580                      North (km) : 3348.990		
14. Emission Point Comment :	Stack located at Latitude 30 15' 58" N and Longitude 85 41' 56" W. Stack diameter is rectangular (13'8" x 10'2") for each. Actual volumetric flowrate is for both stacks.		

III. Part 7a - 1

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

**Emissions Unit Information Section**                      3

Plant Lansing Smith Combustion Turbine

**Segment Description and Rate :**      Segment      1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Combustion Turbine fired with #2 fuel oil. Emissions related to thousand gallons burned.	
2. Source Classification Code (SCC) :      2-01-001-01	
3. SCC Units :      Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate :              3.86	5. Maximum Annual Rate :              33,814.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur :              0.50	8. Maximum Percent Ash :              0.00
9. Million Btu per SCC Unit :              138	
10. Segment Comment :	

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

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine \_\_\_\_\_

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
SO2			NS
NOX			NS
CO			NS
PM			NS
PM10			NS
SAM			NS
VOC			NS
H015			NS
H021			NS
H027			NS
H046			NS
PB			NS
H113			NS

III. Part 9a - 1

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

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine \_\_\_\_\_

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
H114			NS
H133			NS
H047			NS
H014			NS
H017			NS
H169			NS
H162			NS
HCL			NS
H107			NS
H161			NS
DIOX			NS
H095			NS

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	SO2		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	194.90	lb/hour	853.79 tons/year
4. Synthetically Limited? [ ] Yes      [X ] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	AP-42		
7. Emissions Method Code :	3		
8. Calculations of Emissions :	$101 \times (S\%) = 50.5 \text{ SO}_2 \text{ lbs/kgal @ } .50\% \text{ S}$ $101 (.5) (3.86 \text{ kgal}) = 194.9 \text{ SO}_2 \text{ lbs/hr}$ $101 (.5) (3.86) (8760) (1/2000) = 853.79 \text{ SO}_2 \text{ tons/yr}$		
9. Pollutant Potential/Estimated Emissions Comment :	<p>Maxium Sulfur Content of #2 Fuel Oil is Limited to 0.5% Sulfur by weight. Source; AP-42</p>		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	NOX		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	379.89	lb/hour	1,663.93 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	98.4180 NOx lbs/kgals 98.4180 (3.86 kgal) = 379.89 NOx lbs/hr 98.4180 (3.86) (8760) (1/2000) = 1663.93 NOx tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	CO		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	26.12	lb/hour	114.43      tons/year
4. Synthetically Limited? [ ] Yes            [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to            tons/year		
6. Emissions Factor : Reference :      AP-42 / EPA-Fire			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	6.768 CO lbs/ Kgals 6.768 (3.86 kgal) = 26.12 CO lbs/hr 6.768 (3.86) (8760) (1/2000) = 114.43 CO tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	PM		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	20.68	lb/hour	90.59 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      AP-42 / EPA-Fire			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	5.358 PM lbs/ kgals 5.358 (3.86 kgal/hr) = 20.68 PM lbs/hr 5.358 (3.86) (8760) (1/2000) = 90.59 PM tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	PM10		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	9.93	lb/hour	43.48      tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      AP-42 / EPA - Fire			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	2.5718 PM-10 lbs/kgals 2.5718 (3.86 kgal) = 9.927 PM10 lbs/hr 2.5718 (3.86) (8760) (1/2000) = 43.48 PM10 lbs/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	SAM		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	3.86	lb/hour	16.91 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	<p>2 (S%) SAM lbs/kgals @ .5% S = 1.0 lbs/kgal            2 (.5) (3.86 kgal) = 3.86 SAM lbs/hr            2 (.5) (3.86) (8760) (1/2000) = 16.907 SAM tons/yr</p>		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	VOC		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	9.25	lb/hour	40.53 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	2.397 VOC lbs/kgals 2.397 (3.86 kgal) = 9.25 VOC lbs/hr 2.397 (3.86) (8760) (1/2000) = 40.526 VOC tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	H015		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.01 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.00069 As lbs/kgal .00069 (3.86 kgal/hr) = .0027 As lbs/hr .00069 (3.86) (8760) (1/2000) = .0117 As tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	`Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	H021			
2. Total Percent Efficiency of Control :	%			
3. Potential Emissions :	0.00	lb/hour	0.00	tons/year
4. Synthetically Limited? [ ] Yes      [X] No				
5. Range of Estimated Fugitive/Other Emissions:				tons/year
6. Emissions Factor : Reference : AP-42				
7. Emissions Method Code :	3			
8. Calculations of Emissions :	<p>.000047 Be lbs/kgals                  .000047 (3.86 kgal/hr) = .0002 Be lbs/hr                  .000047 (3.86) (8760) (1/2000) = .0008 Be tons/yr</p>			
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42			

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	H027		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.01 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	AP-42		
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.000592 Cd lbs/kgals .000592 (3.86 kgal) = .0023 Cd lbs/hr .000592 (3.86) (8760) (1/2000) = .010 Cd tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

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

1. Pollutant Emitted :	H046		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.00 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.000066 Cr lbs/kgals .000066 (3.86 kgal/hr) = .00025 Cr lbs/hr .000066 (3.86) (8760) (1/2000) = .0011 Cr tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      12

1. Pollutant Emitted :	PB		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.03	lb/hour	0.14      tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.008178 Pb lbs/ kgals .008178 (3.86 kgal/hr) = .032 Pb lbs/hr .008178 (3.86) (8760) (1/2000) = .138 Pb tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      13

1. Pollutant Emitted :	H113		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.19	lb/hour	0.81 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.04794 Mn lbs/kgals .04794 (3.86 kgals/hr) = .185 Mn lbs/hr .04794 (3.86) (8760) (1/2000) = .811 Mn tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      14

1. Pollutant Emitted :	H114		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.00 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.000128 lbs/ kgals .000128 (3.86 kgal/hr) = .0005 Hg lbs/hr .000128 (3.86) (8760) (1/2000) = .0022 Hg tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      15

1. Pollutant Emitted :	H133		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.65	lb/hour	2.86 tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Range of Estimated Fugitive/Other Emissions:	to		tons/year
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.169200 Ni lbs/kgals .169200 (3.86 kgal/hr) = .653 Ni lbs/hr .169200 (3.86) (8760) (1/2000) = 2.86 Ni tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      16

1. Pollutant Emitted :	H047		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.02 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.001283 Co lbs/kgals .001283 (3.86 kgal/hr) = .005 Co lbs/hr .001283 (3.86) (8760) (1/2000) = .022 Co tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      17

1. Pollutant Emitted :	H014		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.01	lb/hour	0.05 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference : AP-42			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	.003102 Sb lbs/kgals .003102 (3.86 kgal) = .012 Sb lbs/hr .003102 (3.86) (8760) (1/2000) = .052 Sb tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; AP-42		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      18

1. Pollutant Emitted :	H017		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.00 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.000155 Benzene lbs/kgals .000155 (3.86 kgal.hr) = .0006 Benzene lbs/hr .000155 (3.86) (8760) (1/2000) = .0026 Benzene tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      19

1. Pollutant Emitted :	H169		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.02	lb/hour	0.07 tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.039903 Toluene lbs/kgals .039903 (3.86 kgal/hr) = .015 Toluene lbs/hr .039903 (3.86) (8760) (1/2000) = .067 Toluene tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      20

1. Pollutant Emitted :	H162		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.01 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      EPRI			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.000747 Se lbs/kgals .000747 (3.86 kgals/hr) = .003 Se lbs/hr .000747 (3.86) (8760) (1/2000) = .013 Se tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      21

1. Pollutant Emitted :	HCL		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	3.85	lb/hour	16.87 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      GDW			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.997988 HCL lbs/kgals .997988 (3.86 kgal/hr) = 3.85 HCL lbs/hr .997988 (3.86) (8760) (1/2000) = 16.87 HCl tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; G. Dwain Waters Mass Balance - Cl in fuel		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      22

1. Pollutant Emitted :	H107		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	24.55	lb/hour	107.54      tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :      GDW			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	6.36046 HF lbs/kgals 6.36046 (3.86 kgal/hr) = 24.55 HF lbs/hr 6.36046 (3.86) (8760) (1/2000) = 107.54 HF tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; G.Dwain Waters Mass Balance of F in fuel.		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      23

1. Pollutant Emitted :	H161	
2. Total Percent Efficiency of Control :	%	
3. Potential Emissions :	lb/hour	tons/year
4. Synthetically Limited? [ ] Yes      [X] No		
5. Range of Estimated Fugitive/Other Emissions:	to	tons/year
6. Emissions Factor : Reference :      EPRI SR		
7. Emissions Method Code :	2	
8. Calculations of Emissions :	<p>1.9 pCi/g part          1.9 (20.68 PM lbs/hr) = 39.29 pCi/hr          1.9 (20.68) (8760) = 3,441,979.9 pCi/yr</p>	
9. Pollutant Potential/Estimated Emissions Comment :	<p>Source; EPRI Synthesis Report          Note: Emissions not in lbs or tons</p>	

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      24

1. Pollutant Emitted :	DIOX		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.00	lb/hour	0.00      tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	to      tons/year		
6. Emissions Factor : Reference :      EPRI SR			
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.0000000017 Dioxin lbs/kgals .0000000017 (3.86 kgals/hr) = .000000006 Dioxin lbs/hr .0000000017 (3.86) (8760) (1/2000) = .000000028 Dioxin tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      3  
 Plant Lansing Smith Combustion Turbine

**Pollutant Potential/Estimated Emissions :**      Pollutant      25

1. Pollutant Emitted :	H095		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	0.02	lb/hour	0.68 tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:		to	tons/year
6. Emissions Factor : Reference :	EPRI SR		
7. Emissions Method Code :	2		
8. Calculations of Emissions :	.039903 HCOH lbs/kgals .039903 (3.86 kgals/hr) = .015 HCOH lbs/hr .039903 (3.86) (8760) (1/2000) = .675 HCOH tons/yr		
9. Pollutant Potential/Estimated Emissions Comment :	Source; EPRI Synthesis Report		

**Emissions Unit Information Section**

**Pollutant Information Section**

**Allowable Emissions**

1. Basis for Allowable Emissions Code :

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units :

4. Equivalent Allowable Emissions :

lb/hour

tons/year

5. Method of Compliance :

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

**I. VISIBLE EMISSIONS INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section**     3  
Plant Lansing Smith Combustion Turbine

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

1. Visible Emissions Subtype :	VE									
2. Basis for Allowable Opacity :	RULE									
3. Requested Allowable Opacity :	<table style="margin-left: auto; margin-right: auto;"><tr><td style="padding: 0 20px;">Normal Conditions :</td><td style="padding: 0 10px;">20</td><td style="padding: 0 10px;">%</td></tr><tr><td style="padding: 0 20px;">Exceptional Conditions :</td><td style="padding: 0 10px;">20</td><td style="padding: 0 10px;">%</td></tr><tr><td style="padding: 0 20px;">Maximum Period of Excess Opacity Allowed :</td><td style="padding: 0 10px;">6</td><td style="padding: 0 10px;">min/hour</td></tr></table>	Normal Conditions :	20	%	Exceptional Conditions :	20	%	Maximum Period of Excess Opacity Allowed :	6	min/hour
Normal Conditions :	20	%								
Exceptional Conditions :	20	%								
Maximum Period of Excess Opacity Allowed :	6	min/hour								
4. Method of Compliance :	Method #9 Visible Emission Observation: Allowable Emissions 20% opacity FAC Rule 17-296.310									
5. Visible Emissions Comment :	Test Method: DEP Method #9 before permit renewal Rule 62-296.320(4)(b). See Specific Condition 6 in existing permit under EUS3-12.									

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** \_\_\_\_\_

**Continuous Monitoring System** : Continuous Monitor \_\_\_\_\_

1. Parameter Code :	2. Pollutant :
3. CMS Requirement :	
4. Monitor Information :  Manufacturer : Model Number : Serial Number :	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :	



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

**Emissions Unit Information Section**          3    

Plant Lansing Smith Combustion Turbine

**PSD 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.
- ] 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.

2. Increment Consuming for Nitrogen Dioxide?

- ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :

PM : U                      SO2 : U                      NO2 : U

4. Baseline Emissions :

PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year

5. PSD Comment :



III. Part 12 - 3

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## L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 3

Plant Lansing Smith Combustion Turbine

### Supplemental Requirements for All Applications

1. Process Flow Diagram :	EUS3-1
2. Fuel Analysis or Specification :	EUS3-2
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	NA
5. Compliance Test Report :	EUS3-5
6. Procedures for Startup and Shutdown :	EUS3-6
7. Operation and Maintenance Plan :	NA
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. Alternative Modes of Operation (Emissions Trading) :	NA

III. Part 13 - 1

12. Identification of Additional Applicable Requirements :	EUS3-12
13. Compliance Assurance Monitoring Plan :	NA
14. Acid Rain Application (Hard-copy Required) :	
NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form 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.)

### III. EMISSIONS UNIT INFORMATION

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

Emissions Unit Information Section 4

Plant Lansing Smith Material Handling Activities

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

1. Regulated or Unregulated Emissions Unit? Check one :

- 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).
- 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 - 1

**B. GENERAL EMISSIONS UNIT INFORMATION  
(Regulated and Unregulated Emissions Units)**

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section :  Plant Lansing Smith Material Handling Activities		
2. Emissions Unit Identification Number : 004 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code : 49
6. Emissions Unit Comment :  Fugitive particulate emissions from unloading and transference of coal into the facility by conveyors and management of ash disposal sites. The emission unit includes fugitive emissions from the coal pile, ash pile, unpaved roads and associated disposal activities.		

**Emissions Unit Information Section** \_\_\_\_\_

**Emissions Unit Control Equipment** \_\_\_\_\_

1. Description :

2. Control Device or Method Code :



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

**Emissions Unit Information Section** 4  
 Plant Lansing Smith Material Handling Activities

**Emissions Unit Details**

1. Initial Startup Date :		
2. Long-term Reserve Shutdown Date :		
3. Package Unit :		
Manufacturer :		Model Number :
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	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment :		

**Emissions Unit Operating Schedule**

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

**D. EMISSIONS UNIT REGULATIONS  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**      4  
Plant Lansing Smith Material Handling Activities

**Rule Applicability Analysis**

NA

**Emissions Unit Information Section** 4  
Plant Lansing Smith Material Handling Activities

**List of Applicable Regulations**

Non-regulated emissions unit; No applicable regulations.

## E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 4

Plant Lansing Smith Material Handling Activities

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :					
2. Emission Point Type Code :	4				
3. Descriptions of Emission Points Comprising this Emissions Unit :					
1. H&P Unloader					
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :					
5. Discharge Type Code :	F				
6. Stack Height :	feet				
7. Exit Diameter :	feet				
8. Exit Temperature :	°F				
9. Actual Volumetric Flow Rate :	acfm				
10. Percent Water Vapor :	%				
11. Maximum Dry Standard Flow Rate :	dscfm				
12. Nonstack Emission Point Height :	feet				
13. Emission Point UTM Coordinates :					
Zone :	16	East (km) :	478.500	North (km) :	3381.300
14. Emission Point Comment :					
Fugitive emissions from management of coal and ash at the facility.					

III. Part 7a - 1

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

**Emissions Unit Information Section**      4

Plant Lansing Smith Material Handling Activities

**Segment Description and Rate :**      Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :  Material handling of coal and ash.	
2. Source Classification Code (SCC) :      3-05-101-03	
3. SCC Units :      Tons Transferred Or Handled	
4. Maximum Hourly Rate :      158.96	5. Maximum Annual Rate :      1,392,500.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur :	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment :	

## F. SEGMENT (PROCESS/FUEL) INFORMATION

**Emissions Unit Information Section**      4

Plant Lansing Smith Material Handling Activities

**Segment Description and Rate :**      Segment      2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Vehicle road emissions from haul trucks and other vehicles on plant site.	
2. Source Classification Code (SCC) :      3-05-101-50	
3. SCC Units :      Vehicle-road miles traveled.	
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 :	

III. Part 8 - 2

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

**Emissions Unit Information Section**      4  
Plant Lansing Smith Material Handling Activities

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM			NS
PM10			NS

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      4  
Plant Lansing Smith Material Handling Activities

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

1. Pollutant Emitted :	PM		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	lb/hour	tons/year	
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	3 25.00	to 100.00	tons/year
6. Emissions Factor : Reference :			
7. Emissions Method Code :	3		
8. Calculations of Emissions :	See attached inventory of fugitive emissions from coal handling operations.		
9. Pollutant Potential/Estimated Emissions Comment :	See attached inventory of fugitive emissions from coal handling operations.		



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      4  
Plant Lansing Smith Material Handling Activities

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

1. Pollutant Emitted :	PM10		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	lb/hour		tons/year
4. Synthetically Limited? [ ] Yes      [X] No			
5. Range of Estimated Fugitive/Other Emissions:	3 25.00	to	100.00      tons/year
6. Emissions Factor : Reference :			
7. Emissions Method Code :			
8. Calculations of Emissions :	See attached inventory of fugitive emissions for coal handling operations.		
9. Pollutant Potential/Estimated Emissions Comment :	See attached inventory of fugitive emissions for coal handling operations.		

**Emissions Unit Information Section** \_\_\_\_\_

**Pollutant Information Section** \_\_\_\_\_

**Allowable Emissions** \_\_\_\_\_

1. Basis for Allowable Emissions Code :
2. Future Effective Date of Allowable Emissions :
3. Requested Allowable Emissions and Units :
4. Equivalent Allowable Emissions : <p style="text-align: right;">lb/hour                                  tons/year</p>
5. Method of Compliance :
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

**I. VISIBLE EMISSIONS INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** \_\_\_\_\_

**Visible Emissions Limitation** : Visible Emissions Limitation \_\_\_\_\_

1. Visible Emissions Subtype :						
2. Basis for Allowable Opacity :						
3. Requested Allowable Opacity :  <table style="margin-left: auto; margin-right: auto;"><tr><td style="padding-right: 20px;">Normal Conditions :</td><td style="text-align: right;">%</td></tr><tr><td style="padding-right: 20px;">Exceptional Conditions :</td><td style="text-align: right;">%</td></tr><tr><td style="padding-right: 20px;">Maximum Period of Excess Opacity Allowed :</td><td style="text-align: right;">min/hour</td></tr></table>	Normal Conditions :	%	Exceptional Conditions :	%	Maximum Period of Excess Opacity Allowed :	min/hour
Normal Conditions :	%					
Exceptional Conditions :	%					
Maximum Period of Excess Opacity Allowed :	min/hour					
4. Method of Compliance :						
5. Visible Emissions Comment :						

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** \_\_\_\_\_

**Continuous Monitoring System** : Continuous Monitor \_\_\_\_\_

1. Parameter Code :	2. Pollutant :
3. CMS Requirement :	
4. Monitor Information :  Manufacturer : Model Number : Serial Number :	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :	

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

**Emissions Unit Information Section**      4

Plant Lansing Smith Material Handling Activities

**PSD 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.
- 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.

2. Increment Consuming for Nitrogen Dioxide?

- ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM : U	SO2 : U	NO2 : U
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

## L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 4

Plant Lansing Smith Material Handling Activities

### Supplemental Requirements for All Applications

1. Process Flow Diagram :	EUS4-1
2. Fuel Analysis or Specification :	NA
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	NA
5. Compliance Test Report :	NA
6. Procedures for Startup and Shutdown :	NA
7. Operation and Maintenance Plan :	NA
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 - 1

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12. Enhanced Monitoring Plan :	NA
13. Identification of Additional Applicable Requirements :	NA
14. Acid Rain Application (Hard-copy Required) :	
NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form 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.)



**SMITH ELECTRIC GENERATING PLANT FUGITIVE EMISSIONS**  
**Roads and Material Handling**

Emission Source Description	Total Emissions (tons/yr)	PM-10 Emissions (tons/yr)	Notes
Paved Roads	16.67	6.00	619.2 vehicle miles / day
Unpaved-to-Paved Roads	2.83	1.02	15 vehicle miles / day
Unpaved Roads - Ash Ponds & Landfill	43.76	15.75	50% Control, 50 dump truck miles / day
Unpaved Roads - Coal Pile Tractors	1.03	0.37	10 tractor miles / day
Coal Barge Unloading - Bucket Drop to Hopper	0.08	0.03	5 foot drop; 9 cu yd bucket; 1,329,500
Coal Barge Unloading - Conveyor Drop to Ground	0.27	0.10	39 foot drop
Coal Conveyor - Drop from Conveyor #1 inside Crusher House	0.04	0.01	49 foot drop, 1 mph wind speed
Coal Conveyor - Drop from "S" Conveyor to Coal Pile	0.34	0.13	49 foot drop
Coal Pile Wind Erosion	11.39	4.10	20 Acre coal pile
Ash Pond - Dewatered Ash Area	196.23	70.64	99 Acres of exposed fly ash (high moisture from sluicing gives 90% "control")
Ash Landfill - Construction Activity	7.93	2.85	4 Acres of exposed fly ash (high moisture from sluicing gives 90% "control")
<b>TOTAL</b>	<b>280.55</b>	<b>101.00</b>	

PAVED ROADS

Paved Road Fugitive Emissions Calculation

$$E = 0.077 * (i) * (4/n) * (s/10) * (L/1000) * (W/3)^{0.7} = \text{lb/vmt}$$

where:

i = 1.0 for travel on paved roads

= 7.0 for areas when vehicles enter from unpaved roads

W = Vehicle weight in tons

s = silt content of road; assume 5.3 based on Table 11.2.6-1

(Asphalt batching - Concrete batching - Sand and Gravel average)

n = number of traffic lanes; assume 2

L = surface dust loading (lb/mile); assume 2400 based on Table 11.2.6-1

(Asphalt batching - Concrete batching - Sand and Gravel average)

Assume PM-10 is 36% of TSP based on Unpaved Road Calculation

$$\text{vmt} = (90 \text{ employees} + 30 \text{ other}) * 2.58 \text{ miles} * 2 \text{ trips}$$

$$\text{vmt} = 619.2$$

Fill in the following variables to calculate emissions;

i	W	n	L	s	vmt/day
1	2	2	2400	5.3	619.2

$$\text{TSP} = 0.147484 \text{ lb/vmt} \quad (\text{vmt} = \text{vehicle mile traveled})$$

$$\text{Total Fugitive Emissions} = 33332.49 \text{ lbs per year}$$

$$16.67 \text{ tons per year}$$

$$\text{Total PM-10 Emissions} = 11999.70 \text{ lbs per year}$$

$$6.00 \text{ tons per year}$$

UNPAVED-TO-PAVED

Paved Road Fugitive Emissions Calculation

$$E = 0.077 * (i)^{(4/n)} * (s/10) * (L/1000) * (W/3)^{0.7} = \text{lb/vmt}$$

where:

- i = 1.0 for travel on paved roads
- = 7.0 for areas when vehicles enter from unpaved roads

W = Vehicle weight in tons

s = silt content of road; assume 5.3 based on Table 11.2.6-1  
 (Asphalt batching - Concrete batching - Sand and Gravel average)

n = number of traffic lanes; assume 2

L = surface dust loading (lb/mile); assume 2400 based on Table 11.2.6-1  
 (Asphalt batching - Concrete batching - Sand and Gravel average)

Assume PM-10 is 36% of TSP based on Unpaved Road Calculation

$$\text{vmt} = \frac{(25 \text{ employees} + 5 \text{ other}) * .25 \text{ miles} * 2 \text{ trips}}{15}$$

Fill in the following variables to calculate emissions;

i	W	n	L	s	vmt/day
7	2	2	2400	5.3	15

TSP = 1.032386 lb/vmt (vmt = vehicle mile traveled)

Total Fugitive Emissions = 5652.31 lbs per year  
 2.83 tons per year

Total PM-10 Emissions = 2034.83 lbs per year  
 1.02 tons per year

UNPAVED ROAD - COAL PILE

Unpaved Road Fugitive Emissions Calculation

$$E = k (5.9) * (s/12) * (S/30) * (W/3)^{0.7} * (w/4)^{0.5} * (365-p/365) \text{ lb/vmt}$$

where:

- k = 1.0 for TSP; 0.36 for PM-10
- W = Vehicle weight in tons
- w = mean # of wheels
- S = speed of vehicle
- s = silt content of road; = assume 2.2 for coal
- = assume 5.0 for bottom ash; 76.6 for fly ash
- = assume 1.6 for limestone
- p = # of days > 0.01 in. of precipitation per year; = assume 120 days per Figure 11.2.1-1, AP-

Coal Pile Tractor: 10 Tons, 4 wheels, 10 mph, 10 miles/day

k	W	w	S	s	p	m
1	10	4	10	2.2	120	10

TSP = 0.562161 lb/vmt

Total Fugitive Emissions = 2051.89 lbs per year  
1.03 tons per year

Total PM-10 Emissions = 738.68 lbs per year  
0.37 tons per year

UNPAVED ROAD - ASH POND & LANDFILL

Unpaved Road Fugitive Emissions Calculation

$$E = k (5.9) * (s/12) * (S/30) * (W/3)^{0.7} * (w/4)^{0.5} * (365-p/365) \text{ lb/vmt}$$

where:

- k = 1.0 for TSP; 0.36 for PM-10
- W = Vehicle weight in tons
- w = mean # of wheels
- S = speed of vehicle
- s = silt content of road; = assume 2.2 for coal
- = assume 5.0 for bottom ash; 76.6 for fly ash
- = assume 1.6 for limestone
- p = # of days > 0.01 in. of precipitation per year; = assume 120 days per Figure 11.2.1-1, AP-42

Dump Truck: 25 Tons, 10 wheels, 25 mph, 50 miles/day

k	W	w	S	s	p	m
1	25	10	25	5	120	50

TSP = 9.591265 lb/vmt

Total Fugitive Emissions = 175040.58 lbs per year  
87.52 tons per year

Total PM-10 Emissions = 63014.61 lbs per year  
31.51 tons per year

Controlled Fugitive Emissions by Watering (Enter % Control C) C

Total TSP = 87520.3 lbs per year 50 %  
43.76 tons per year

Total PM-10 = 31507.3 lbs per year  
15.75 tons per year

Coal Barge Unloading - Drop to Hopper

Batch Drop Emissions Calculation

$$E = k(0.0018) * \frac{(s/5)*(u/5)*(h/5)}{(m/2)^2 * (y/6)^{.33}} \quad \text{lb/ton}$$

where:

k = 1.0 for TSP; 0.36 for PM-10

s = silt content of material;

= assume 2.2 for coal ; AP-42 Table 11.2.3-1 9/88

= assume 5.0 for bottom ash; 76.6 for fly ash

= assume 1.6 for limestone; AP-42 Table 11.2.3-1 9/88

h = Height of drop in feet

m = moisture ;

= assume 7.5 % per KBN\*

u = mean wind speed;

= assume 8.8 mph per KBN\*

y = dumping device capacity in cubic yards

k	s	h	m	u	y	t
1	2.2	5	7.5	8.8	9	1,392,500

TSP = 0.000113 lb/ton of coal      Enter % of Material Unloaded -> 100 %

Total Batch Drop Emissions = 157.79 lbs per year  
0.08 tons per year

Total PM-10 Batch Drop = 56.80 lbs per year  
0.03 tons per year

Coal Barge Unloading - Drop to Ground

Continuous Drop Emissions Calculation

$$E = k \cdot (0.0018) \cdot (s/5) \cdot (u/5) \cdot (h/10) \cdot (m/2)^2$$

where:

k = 1.0 for TSP; 0.37 for PM-10

s = silt content of material;

= assume 2.2 for coal ; AP-42 Table 11.2.3-1 9/88

= assume 5.0 for bottom ash; 76.6 for fly ash

= assume 1.6 for limestone; AP-42 Table 11.2.3-1 9/88

h = Height of drop in feet

m = moisture ;

= assume 7.5 % per KBN\*

u = mean wind speed;

= assume 8.8 mph per KBN\*

k	s	h	m	u	t
1	2.2	39	7.5	8.8	1,392,500

TSP = 0.000387 lb/ton of coal

Total Drop Point Emissions = 538.31 lbs per year  
0.27 tons per year

Total PM-10 Drop Emissions = 199.18 lbs per year  
0.10 tons per year

Coal Conveyor - Drop from Conveyor #1 inside Crusher House

Continuous Drop Emissions Calculation

$$E = k \cdot (0.0018) \cdot \frac{(s/5) \cdot (u/5) \cdot (h/10)}{(m/2)^2}$$

where:

k = 1.0 for TSP; 0.37 for PM-10

s = silt content of material;

= assume 2.2 for coal ; AP-42 Table 11.2.3-1 9/88

= assume 5.0 for bottom ash; 76.6 for fly ash

= assume 1.6 for limestone; AP-42 Table 11.2.3-1 9/88

h = Height of drop in feet

m = moisture ;

= assume 7.5 % per KBN\*

u = mean wind speed;

= assume 8.8 mph per KBN\*

k	s	h	m	u	t
1	2.2	49	7.5	1	1,392,500

TSP = 0.000055 lb/ton of coal

Total Drop Point Emissions = 76.86 lbs per year  
0.04 tons per year

Total PM-10 Drop Emissions = 28.44 lbs per year  
0.01 tons per year



Coal Conveyor - Drop from "S" Conveyor to Coal Pile

Continuous Drop Emissions Calculation

$$E = k \cdot (0.0018) \cdot \frac{(s/5) \cdot (u/5) \cdot (h/10)}{(m/2)^2}$$

where:

k = 1.0 for TSP; 0.37 for PM-10

s = silt content of material;

= assume 2.2 for coal ; AP-42 Table 11.2.3-1 9/88

= assume 5.0 for bottom ash; 76.6 for fly ash

= assume 1.6 for limestone; AP-42 Table 11.2.3-1 9/88

h = Height of drop in feet

m = moisture ;

= assume 7.5 % per KBN\*

u = mean wind speed;

= assume 8.8 mph per KBN\*

k	s	h	m	u	t
1	2.2	49	7.5	8.8	1,392,500

TSP = 0.000486 lb/ton of coal

Total Drop Point Emissions = 676.34 lbs per year  
0.34 tons per year

Total PM-10 Drop Emissions = 250.25 lbs per year  
0.13 tons per year

SMITH COAL PILE

Wind Erosion of Active Storage Piles

$$E = 1.7 * (s/1.5) * (365-p/235) * (f/15) \text{ lb/day/acre}$$

where:

- s = 2.2 for coal \* \* AP-42 Table 11.2.3-1 9/88
- = 5.0 for bottom ash; 76.6 for fly ash
- = 1.6 for limestone \*

- p = # of days > 0.01 in. of precipitation per year;
- = assume 120 per Figure 11.2.1-1, AP-42

- f = % of time that unobstructed wind exceeds 12 mph at mean height of pile;
- = assume 18 % per KBN\*

Fill in the following variables to calculate emissions;

s	p	f	a
2.2	120	18	20

TSP = 3.12 lb/day/acre

Total Wind Erosion Emission = 22771.03 lbs per year  
11.39 tons per year

Total PM-10 Emissions = 8197.57 lbs per year - (PM-10 is 36% of TSP)  
4.10 tons per year

Ash Pond - Dewatered Ash Area

Wind Erosion of Active Storage Piles

$$E = 1.7 * (s/1.5) * (365-p/235) * (f/15) \text{ lb/day/acre}$$

where:

- s = 2.2 for coal \* \* AP-42 Table 11.2.3-1 9/88
- = 5.0 for bottom ash; 76.6 for fly ash
- = 1.6 for limestone \*

- p = # of days > 0.01 in. of precipitation per year;
- = assume 120 per Figure 11.2.1-1, AP-42

- f = % of time that unobstructed wind exceeds 12 mph at mean height of pile;
- = assume 18 % per KBN\*

Pond Area 165 Acres \* 60% ash not covered by water or cattails  
 = 99 Acres

Fill in the following variables to calculate emissions;

s	p	f	a
76.6	120	18	99

TSP = 108.61 lb/day/acre

Total Wind Erosion Emission =	3924586.98 lbs per year
	1962.29 tons per year
90% built-in "control" due to high moisture	196.23 tons per year
Total PM-10 Emissions =	1412851.31 lbs per year - (PM-10 is 36% of TSP)
	706.43 tons per year
90% built-in "control" due to high moisture	70.64 tons per year

Ash Landfill - Construction Activity

Wind Erosion of Active Storage Piles

$$E = 1.7 * (s/1.5) * (365-p/235) * (f/15) \text{ lb/day/acre}$$

where:

- s = 2.2 for coal \*                      \* AP-42 Table 11.2.3-1 9/88
- = 5.0 for bottom ash; 76.6 for fly ash
- = 1.6 for limestone \*

p = # of days > 0.01 in. of precipitation per year;  
 = assume 120 per Figure 11.2.1-1, AP-42

f = % of time that unobstructed wind exceeds 12 mph at mean height of pile;  
 = assume 18 % per KBN\*

Fill in the following variables to calculate emissions;

s	p	f	a
76.6	120	18	4

TSP =            108.61 lb/day/acre

Total Wind Erosion Emission =	158569.17 lbs per year
	79.28 tons per year
90% built-in "control" due to high moisture	7.93 tons per year
Total PM-10 Emissions =	57084.90 lbs per year - (PM-10 is 36% of TSP)
	28.54 tons per year
90% built-in "control" due to high moisture	2.85 tons per year

**LANSING SMITH EMISSIONS UNIT 4  
MISCELLANEOUS COAL/ASH EMISSIONS**

Smith Plant Coal Handling			
Equipment/System	Source	Frequency of Operation	Justification
Coal Handling	Conveyor Belts-Side Open at Bottom (3)	Continuous	Non-Regulated Substances
	Drop From Tripper Belt to Bunker	Continuous	
	Tractors (2)	Continuous	
	C02 Fire System	Emergency	
	Transfer From Unloader to Hopper	Continuous	
	Unloader Shed Vent	Continuous	
Coal Barges	Maximum Barge on site 27 full barges	As-Received	Non-Regulated Substances
Tractor Shed	Used Oil Tank 250 gallon	Continuous	Non-Regulated Substances
	5 gallon tanks (3)	Continuous	
Paint Shed	Paint Containers	Continuous	Non-Regulated Substances
Smith Plant Unit 1			
Equipment/System	Source	Frequency of Operation	Justification
Fly Ash System	Economizer Hopper Dust Valves (4)	Maintenance	Non-Regulated Substances
	Hydrovactor Vent (1)	Continuous While Fly Ash System in Service	
	Hot Precipitator Fly Ash Hopper Dust Valves (24)	Maintenance	
	Cold Precipitator Fly Ash Hopper Dust Valves (8)		
Coal System	Coal Pulverizers with Exhauster Fan (4)	Continuous	Non-Regulated Substances
	Coal Burners and Piping (16)	Continuous	
	Burner Clean out Ports (16)	Maintenance	
	Coal Flow Test Ports (32)	Maintenance	
	Coal Sampling Ports at Pulverizer (8)	Maintenance	
	Pyrite Hoppers (4) Sodium Addition to Coal	Continuous Continuous	

Smith Plant Unit 2			
Equipment/System	Source	Frequency of Operation	Justification
Coal System	Burners Clean Out Ports (20)	Maintenance	Non-Regulated Substances
	Coal Flow Test Ports (42)	Maintenance	
	Coal Sampling Ports At Pulverizers (10)		
	Pyrite Hoppers (5)	Continuous	
	Sodium Addition To Coal		
Fly Ash System	Economizer Hopper Dust Valves (4)	Maintenance	Non-Regulated Substances
	Hydrovactor Vent	Continuous While Fly Ash system in Service	
	Hot Precipitator Fly Ash Hopper Dust Valves (24)	Maintenance	
	Cold Precipitator Fly Ash Hopper Dust Valves (12)	Maintenance	
OTHER			
Equipment/System	Source	Frequency of Operation	Justification
Soil Remediation Project	Vapor Extractive System	Continuous	Non-Regulated Activity
	Aux. #2 Fuel Boiler for steam 90 gal/hr.	Continuous	Non-Regulated Activity See guidance memo, attachment and RAP.

### III. EMISSIONS UNIT INFORMATION

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

Emissions Unit Information Section 5

Plant Lansing Smith Miscellaneous Activities

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

1. Regulated or Unregulated Emissions Unit? Check one :

- 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).
- 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.

**B. GENERAL EMISSIONS UNIT INFORMATION  
(Regulated and Unregulated Emissions Units)**

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section :  Plant Lansing Smith Miscellaneous Activities		
2. Emissions Unit Identification Number : 005 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code :	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code : 49
6. Emissions Unit Comment :  Emissions unit contains various unregulated emissions activities including tanks, sandblastling and insignificant miscellaneous emissions not considered trivial and exempt.		



**Emissions Unit Information Section** \_\_\_\_\_

**Emissions Unit Control Equipment** \_\_\_\_\_

1. Description :

2. Control Device or Method Code :

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

**Emissions Unit Information Section**                      5  
 Plant Lansing Smith Miscellaneous Activities \_\_\_\_\_

**Emissions Unit Details**

1. Initial Startup Date :		
2. Long-term Reserve Shutdown Date :		
3. Package Unit :		
Manufacturer :	Model Number :	
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	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment :		

**Emissions Unit Operating Schedule**

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

**D. EMISSIONS UNIT REGULATIONS  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**      5  
Plant Lansing Smith Miscellaneous Activities

**Rule Applicability Analysis**

NA

**Emissions Unit Information Section** 5  
Plant Lansing Smith Miscellaneous Activities

**List of Applicable Regulations**

Non-Regulated emissions unit; No applicable requirements.

## E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 5

Plant Lansing Smith Miscellaneous Activities

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :					
2. Emission Point Type Code :	4				
3. Descriptions of Emission Points Comprising this Emissions Unit :					
1. #2 Oil Storage Tank					
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :					
5. Discharge Type Code :					
6. Stack Height :	feet				
7. Exit Diameter :	feet				
8. Exit Temperature :	°F				
9. Actual Volumetric Flow Rate :	acfm				
10. Percent Water Vapor :	%				
11. Maximum Dry Standard Flow Rate :	dscfm				
12. Nonstack Emission Point Height :	feet				
13. Emission Point UTM Coordinates :					
Zone :	16	East (km) :	478.500	North (km) :	3381.300
14. Emission Point Comment :					
Miscellaneous unregulated fugitive emissions from tanks and sandblasting activities.					

III. Part 7a - 1

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

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

**Emissions Unit Information Section**      5

Plant Lansing Smith Miscellaneous Activities

**Segment Description and Rate :**      Segment      1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :  Tanks and water treatment activities.	
2. Source Classification Code (SCC) :      3-90-900-04	
3. SCC Units :      Gallons Throughput	
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 :	

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

**Emissions Unit Information Section**      5

Plant Lansing Smith Miscellaneous Activities

**Segment Description and Rate :**      Segment      2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Sandblasting and miscellaneous activities not considered trivial or exempt.	
2. Source Classification Code (SCC) :      3-05-101-99	
3. SCC Units :      Tons Transferred Or Handled	
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 :	

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

**Emissions Unit Information Section**      5  
Plant Lansing Smith Miscellaneous Activities

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
VOC			NS
PM			NS
PM10			NS



**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      5  
Plant Lansing Smith Miscellaneous Activities

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

1. Pollutant Emitted :	VOC		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	lb/hour	tons/year	
4. Synthetically Limited? [ ] Yes      [ ] No			
5. Range of Estimated Fugitive/Other Emissions:	1 1.00	to 5.00	tons/year
6. Emissions Factor : Reference :			
7. Emissions Method Code :			
8. Calculations of Emissions :	Total VOCs from tanks is 1,195 lbs. See attached inventory.		
9. Pollutant Potential/Estimated Emissions Comment :	Miscellaneous emissions from tanks.		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      5  
Plant Lansing Smith Miscellaneous Activities

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

1. Pollutant Emitted :	PM		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	lb/hour	tons/year	
4. Synthetically Limited? [ ] Yes      [ ] No			
5. Range of Estimated Fugitive/Other Emissions:	1 1.00	to 5.00	tons/year
6. Emissions Factor : Reference :			
7. Emissions Method Code :			
8. Calculations of Emissions :	Estimated emissions from sandblasting and miscellaneous emissions listed not included in trivial or exempt list.		
9. Pollutant Potential/Estimated Emissions Comment :	Miscellaneous emissions from tanks and sandblasting operations.		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION  
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**      5  
Plant Lansing Smith Miscellaneous Activities

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

1. Pollutant Emitted :	PM10		
2. Total Percent Efficiency of Control :	%		
3. Potential Emissions :	lb/hour		tons/year
4. Synthetically Limited? [ ] Yes      [ ] No			
5. Range of Estimated Fugitive/Other Emissions:	1 1.00	to 5.00	tons/year
6. Emissions Factor : Reference :			
7. Emissions Method Code :			
8. Calculations of Emissions :	Estimated emissions from sandblasting and miscellaneous emissions not listed as trivial or exempt.		
9. Pollutant Potential/Estimated Emissions Comment :	Miscellaneous emissions from tanks and sandblasting operations.		



**I. VISIBLE EMISSIONS INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** \_\_\_\_\_

**Visible Emissions Limitation** : Visible Emissions Limitation \_\_\_\_\_

1. Visible Emissions Subtype :						
2. Basis for Allowable Opacity :						
3. Requested Allowable Opacity :  <table style="margin-left: auto; margin-right: auto;"><tr><td style="padding-right: 20px;">Normal Conditions :</td><td style="text-align: right;">%</td></tr><tr><td style="padding-right: 20px;">Exceptional Conditions :</td><td style="text-align: right;">%</td></tr><tr><td style="padding-right: 20px;">Maximum Period of Excess Opacity Allowed :</td><td style="text-align: right;">min/hour</td></tr></table>	Normal Conditions :	%	Exceptional Conditions :	%	Maximum Period of Excess Opacity Allowed :	min/hour
Normal Conditions :	%					
Exceptional Conditions :	%					
Maximum Period of Excess Opacity Allowed :	min/hour					
4. Method of Compliance :						
5. Visible Emissions Comment :						

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section** \_\_\_\_\_

**Continuous Monitoring System :** Continuous Monitor \_\_\_\_\_

1. Parameter Code :	2. Pollutant :
3. CMS Requirement :	
4. Monitor Information :  Manufacturer : Model Number : Serial Number :	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :	

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

**Emissions Unit Information Section**      5

Plant Lansing Smith Miscellaneous Activities

**PSD 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.
- ] 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.

2. Increment Consuming for Nitrogen Dioxide?

- ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM : U	SO2 : U	NO2 : U
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		



**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

**Emissions Unit Information Section**      5

Plant Lansing Smith Miscellaneous Activities

**Supplemental Requirements for All Applications**

1. Process Flow Diagram :	EUS5-1
2. Fuel Analysis or Specification :	NA
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	NA
5. Compliance Test Report :	NA
6. Procedures for Startup and Shutdown :	NA
7. Operation and Maintenance Plan :	NA
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

12. Enhanced Monitoring Plan :	NA
13. Identification of Additional Applicable Requirements :	NA
14. Acid Rain Application (Hard-copy Required) :	
NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form 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.)

**LANSING SMITH EMISSIONS UNIT 5  
MISCELLANEOUS EMISSIONS**

Smith Plant			
Equipment/System	Source	Frequency of Operation	Justification
Fire Pump House	Fire Fighting Training Area	Maintenance	Non Regulated Substances
	Fire Water Tanks	Continuous	
Transformers Switches and Switchgear Processing Including Cleaning And Changing And Venting	Processing Venting	Maintenance	Non Regulated Substances
Sewage Treatment Facility And Equipment Ranging In Size From Port-A-John to Sewage Treatment Plant	Sewage Plus Treatment Emissions	Continuous	Non Regulated Substances
	Sewer Lift Vents	Continuous	
Ponds	Neutralization Basins / Ponds	Continuous	Non Regulated Substances
	Ash Pits / Ponds		
	Oil Skimmer Pond		
Storage And Use Of Chemicals Solely For Water And Waste Water Treatment	Caustic Tank	Continuous	Non Regulated Substances
	Sulfuric Acid Tank		
	General Chemicals		
Demineralizer Building	Vacuum Pumps (for Dearator) Exhaust (2)	Continuous	Non Regulated Substances
	Demineralizer Waste Sump	Continuous	
	Monuscour Filter Water Tanks (2)	Continuous	
	Mitco 7600 (1)	Continuous	
Maintenance Area	Used Oil Tanks (2) (500 gal ea)	Continuous	Non Regulated Substances

Electric Shop	Parts Washer Mineral Spirits	Continuous	Non Regulated Substances
	Refrigerator (1)	Continuous	
H2 House	Hydrogen Vents (2)	Maintenance	Non Regulated Substances
	C02 Vents (1)	Maintenance	
	Ventilation	Maintenance	
	Regulators (2)	Maintenance	
Combustine Turbine	Oil Vents (2)	Continuous	Non Regulated Substances
Non-halogenated Solvent Cleaning Operations	Maintenance	Continuous	Non Regulated Substances
Use of Nitrogen Cap During Boiler Shut Down	Nitrogen	Maintenance	Non Regulated Substances
Air Sources Listed in 62-210.300 (3)		Continuous	Non Regulated Substances
Coalpile Runoff Ponds (5)		Continuous	Non Regulated Substances
Open Stock Piling of Material	Sand, Grit Limestone, etc.	Continuous	Non Regulated Substances
Offices	Office Ventilation	Continuous	Non Regulated Substances
Handling and Removal of Clinkers, Slag and Bottom Ash	Off Line Maintenance To Remove Material From Boiler	Maintenance	Non Regulated Substances
Recovered Materials recycling Systems including; Bulb crushers, solvent stills, aerosol can puncturing		Maintenance	Non Regulated Substances
Contraband drug disposal for Law Enforcement Agencies	In Boilers	Maintenance	Non Regulated Substances
Waste Accumulation Consolidation	Accomulation and Consolidation in 55 gallon drums that are otherwise closed	Continuous	Non Regulated Substances
Storage Tanks less than 550 gallons	300 gallon used oil tanks	Continuous	Non Regulated Substances
Storage of products in sealed containers		Continuous	Non Regulated Substances

Flue Gas desulfurization system absorber feed tank must elimination spray/header vent		Continuous	Non Regulated Substances
Renovation / demolition of asbestos		Maintenance	Non Regulated Substances
Cooling Ponds	Unlined Ponds	Continuous	Non Regulated Substances
Non-Halogenated Solvents	Regular mineral spirits Unocal Chemicals Division	Maintenance	Non Regulated Substances
	Grease strip G C 1003730 Gold Coast Chemical	Maintenance	
	Use 375P1 dispersive cleaners Newton Supply Co.	Maintenance	
	Electron Aerosols #0632, #0296 Seaton Chemical Co	Maintenance	
	Sodium Silicate B&B REB-2 B&B Trittech Inc	Maintenance	
	Low odor paraffin Solvent Exxon	Maintenance	
	Blue Gold Industrial Cleaners Carroll Co.	Maintenance	
	CitriKleen Panetone Corporation	Maintenance	
	Orange Tough 90 Spartan Chemical Co	Maintenance	
Tanks	Fire Pump Diesel Engine Tanks (2)	Continuous	Non-Regulated Substances
	Chlorine Tanks (12)	Continuous	
	Used Oil Tank 250 gallon (1)	Continuous	
	Used Oil Tank 500 gallon (1)	Continuous	
Sand Blasting Abrasive Blasting		Maintenance	Non-Regulated Substances
<b>Smith Plant Unit 1</b>			
<b>Equipment/System</b>	<b>Source</b>	<b>Frequency of Operation</b>	<b>Justification</b>
Steam Turbine Lube Oil System	Turbine Room Roof Vents (8)	Continuous	Non-Regulated Substances
	Turbine Oil Tank Vapor Extractor		
	Turbine Oil Bowser Vapor Extractor		
	Turbine Oil Tank Turbine Oil Bowser		

Steam Turbine Lube Oil System (cont'd)	BFP Hydraulic Coupling Vents (2)	Continuous	Non-Regulated Substances
	F. D. Fan Hydraulic Coupling Vents (2)		
Generator	Loop Seal Vapor Extractor	Continuous	Non-Regulated Substances
	Seal Oil Vacuum Pump Exhaust		
	Generator Venting H2 then C02 then Air	Maintenance	
Building Sump	Structure Used to Retain Industrial Wastewater	Continuous	Non-Regulated Substances
Water Treatment	Acid	Continuous	Non-Regulated Substances
	Caustic		
	Miscellaneous Other Chemicals		
Air Heater Drains	Air Heater Air Drives	Safety & Maintenance	Non-Regulated Substances
	Drains	Maintenance	
Ignitor Cooling Air Fan	Cooling Fan	Continuous	Non-Regulated Substances
<b>Smith Plant Unit 2</b>			
Equipment/System	Source	Frequency of Operation	Justification
Steam Turbine Lube Oil System	Turbine Room Roof Vents (9)	Continuous	Non-Regulated Substances
	Turbine Oil Tank Vapor Extractor		
	Oil Bowser Vapor Extractor		
	Turbine Oil Tank		
	Turbine Oil Bowser		
	BFP Hydraulic Coupling Vents (2)		
	F. D. Fan Hydraulic Coupling Vents (2)		
Generator	Loop Seal Vapor Extractor	Continuous	Non-Regulated Substances
	Seal Oil Vacuum Pump		
	Generator Venting H2 then C02 then Air	Maintenance	
	Liquid Level Detectors	Maintenance	
	Generator Vents		
Building Sump	Structure Used to Retain Industrial Wastewater	Continuous	Non-Regulated Substances
Water Treatment	Acid	Continuous	Non-Regulated Substances
	Caustic		

Water Treatment (cont'd)	Miscellaneous Other Chemicals	Continuous	Non-Regulated Substances
Air Heater Drains	Air Heater Air Drives	Safety & Maintenance	Non-Regulated Substances
	Drains	Maintenance	
Ignitor Cooling Air Fan	Cooling Fan	Continuous	Non-Regulated Substances

## Gulf Power Plant Smith Tank Emission Summary

State Registration #	Contents	Size (gallons)	Turnovers	Emissions (pounds)	Comments
1	#2 diesel - Lighter Oil	25,000	100	38	
2	Removed Tank				
3	#2 diesel - CT fuel oil	200,000	170	374	Maximum based on one tank and CT 100% operation
4	#2 diesel - CT fuel oil	200,000	170	374	Maximum based on one tank and CT 100% operation
5	#2 diesel - CT fuel oil	200,000	170	374	Maximum based on one tank and CT 100% operation
6	Lube Oil	1,000	40	2	
7	Used Oil	2,100	50	3	
8	Lube Oil	581	40	2	For TANKS3.0 used minimum diameter 5.0 feet = 881 gallons
9	Lube Oil	560	40	1	
10	Lube Oil	560	40	1	
11	Lube Oil	560	40	1	
12	Lube Oil	560	40	1	
13	Lube Oil	6,000	40	8	Turbine Lubrication Oil
14	Lube Oil	6,000	40	8	Turbine Lubrication Oil
15	Lube Oil	6,000	40	8	Turbine Lubrication Oil
16	Sulfuric Acid	4,000		0	
17	Abandoned - not used				
	TOTAL	652,921		1,195	

notes:

Only State-registered tanks listed (contents > 550 gallons and outdoor location)

Oil and Acid tanks listed, no Caustic tanks

TANKS3.0 used for calculations

A 1/2 max level used for average liquid height

#2 diesel fuel utilized in TANKS3.0 program to estimate lube, used and waste oil emissions



TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

05/20/96  
PAGE 1

Identification

Identification No.: SM-01  
City: Southport  
State: FL  
Company: GM-8155-B  
Type of Tank: Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft): 39.0  
Diameter (ft): 10.0  
Volume (gallons): 25000  
Is tank underground? (Y/N): N  
Turnovers: 100.0  
Net Throughput (gal/yr): 2500000

Paint Characteristics

Shell Color/Shade: White/White  
Shell Condition: Good

Breather Vent Settings

Vacuum Setting (psig): 0.00  
Pressure Setting (psig): 0.00

Meteorological Data Used in Emission Calculations: Pensacola, Florida

(Avg Atmospheric Pressure = 14.7 psia)

TANKS PROGRAM 3.0  
 EMISSIONS REPORT - SUMMARY FORMAT  
 LIQUID CONTENTS OF STORAGE TANK

05/20/96  
 PAGE 2

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Vapor Pressures (psia)			Vapor	Liquid	Vapor	Mol. Basis for Vapor Pressure Calculations	
		Avg.	Min.	Max.	Temp. (deg F)	Avg.	Min.	Max.	Mol. Weight	Mass Fract.		Mass Fract.
Distillate fuel oil no. 2	All	69.87	65.04	74.70	68.02	0.0089	0.0076	0.0104	130.000			130.00 Option 3: A=12.1010, B=8907.0

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
INDIVIDUAL TANK EMISSION TOTALS

05/20/96  
PAGE 3

Annual Emissions Report

Liquid Contents	Losses (lbs.):		Total
	Standing	Working	
----- Distillate fuel oil no. 2	5.31	32.22	37.53
Total:	5.31	32.22	37.53

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

05/20/96  
PAGE 4

Identification

Identification No.: SM-03-4-5  
City: Southport  
State: FL  
Company: GM-22060  
Type of Tank: Vertical Fixed Roof

Tank Dimensions

Shell Height (ft): 32.0  
Diameter (ft): 33.5  
Liquid Height (ft): 32.0  
Avg. Liquid Height (ft): 16.0  
Volume (gallons): 200000  
Turnovers: 170.0  
Net Throughput (gal/yr): 34000000

Paint Characteristics

Shell Color/Shade: White/White  
Shell Condition: Good  
Roof Color/Shade: White/White  
Roof Condition: Good

Roof Characteristics

Type: Dome  
Height (ft): 3.67  
Radius (ft) (Dome Roof): 40.00  
Slope (ft/ft) (Cone Roof): 0.0000

Breather Vent Settings

Vacuum Setting (psig): 0.00  
Pressure Setting (psig): 0.00

Meteorological Data Used in Emission Calculations: Pensacola, Florida

(Avg Atmospheric Pressure = 14.7 psia)

TANKS PROGRAM 3.0  
 EMISSIONS REPORT - SUMMARY FORMAT  
 LIQUID CONTENTS OF STORAGE TANK

05/20/96  
 PAGE 5

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Temp. Vapor Pressures (psia)			Vapor Mol. Mass Weight	Liquid Vapor Mass Mass Fract. Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.	(deg F)	Avg.	Min.				
Distillate fuel oil no. 2	All	69.87	65.04	74.70	68.02	0.0089	0.0076	0.0104	130.000		130.00 Option 3: A=12.1010, B=8907.0

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
INDIVIDUAL TANK EMISSION TOTALS

05/20/96  
PAGE 6

Annual Emissions Report

Liquid Contents	Losses (lbs.):		Total
	Standing	Working	
----- Distillate fuel oil no. 2	42.69	331.30	373.98
Total:	42.69	331.30	373.98

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

05/20/96  
PAGE 7

Identification

Identification No.: SM-06  
City: Southport  
State: FL  
Company: none  
Type of Tank: Vertical Fixed Roof

Tank Dimensions

Shell Height (ft): 6.0  
Diameter (ft): 5.4  
Liquid Height (ft): 6.0  
Avg. Liquid Height (ft): 3.0  
Volume (gallons): 1000  
Turnovers: 40.0  
Net Throughput (gal/yr): 40000

Paint Characteristics

Shell Color/Shade: White/White  
Shell Condition: Good  
Roof Color/Shade: White/White  
Roof Condition: Good

Roof Characteristics

Type: Cone  
Height (ft): 0.00  
Radius (ft) (Dome Roof): 0.00  
Slope (ft/ft) (Cone Roof): 0.2000

Breather Vent Settings

Vacuum Setting (psig): 0.00  
Pressure Setting (psig): 0.00

Meteorological Data Used in Emission Calculations: Pensacola, Florida

(Avg Atmospheric Pressure = 14.7 psia)

TANKS PROGRAM 3.0  
 EMISSIONS REPORT - SUMMARY FORMAT  
 LIQUID CONTENTS OF STORAGE TANK

05/20/96  
 PAGE 8

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Vapor Pressures (psia)			Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.	Temp. (deg F)	Avg.	Min.					
Distillate fuel oil no. 2	All	69.87	65.04	74.70	68.02	0.0089	0.0076	0.0104	130.000			130.00 Option 3: A=12.1010, B=8907.0



TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
INDIVIDUAL TANK EMISSION TOTALS

05/20/96  
PAGE 9

Annual Emissions Report

Liquid Contents	Losses (lbs.):		Total
	Standing	Working	
Distillate fuel oil no. 2	0.20	1.04	1.23
Total:	0.20	1.04	1.23

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

05/20/96  
PAGE 10

Identification

Identification No.: SM-07  
City: Southport  
State: FL  
Company: none  
Type of Tank: Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft): 18.4  
Diameter (ft): 4.4  
Volume (gallons): 2100  
Is tank underground? (Y/N): N  
Turnovers: 50.0  
Net Throughput (gal/yr): 105000

Paint Characteristics

Shell Color/Shade: White/White  
Shell Condition: Good

Breather Vent Settings

Vacuum Setting (psig): 0.00  
Pressure Setting (psig): 0.00

Meteorological Data Used in Emission Calculations: Pensacola, Florida

(Avg Atmospheric Pressure = 14.7 psia)

TANKS PROGRAM 3.0  
 EMISSIONS REPORT - SUMMARY FORMAT  
 LIQUID CONTENTS OF STORAGE TANK

05/20/96  
 PAGE 11

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Vapor Pressures (psia)			Vapor Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.	Temp. (deg F)	Avg.	Min.					
Distillate fuel oil no. 2	All	69.87	65.04	74.70	68.02	0.0089	0.0076	0.0104	130.000			130.00 Option 3: A=12.1010, B=8907.0

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
INDIVIDUAL TANK EMISSION TOTALS

05/20/96  
PAGE 12

Annual Emissions Report

Liquid Contents	Losses (lbs.):		Total
	Standing	Working	
Distillate fuel oil no. 2	0.49	2.22	2.71
Total:	0.49	2.22	2.71

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

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Identification

Identification No.: SM-08  
City: Southport  
State: FL  
Company: none  
Type of Tank: Vertical Fixed Roof

Tank Dimensions

Shell Height (ft): 6.0  
Diameter (ft): 5.0  
Liquid Height (ft): 6.0  
Avg. Liquid Height (ft): 3.0  
Volume (gallons): 881  
Turnovers: 40.0  
Net Throughput (gal/yr): 35240

Paint Characteristics

Shell Color/Shade: White/White  
Shell Condition: Good  
Roof Color/Shade: White/White  
Roof Condition: Good

Roof Characteristics

Type: Cone  
Height (ft): 0.00  
Radius (ft) (Dome Roof): 0.00  
Slope (ft/ft) (Cone Roof): 0.2000

Breather Vent Settings

Vacuum Setting (psig): 0.00  
Pressure Setting (psig): 0.00

Meteorological Data Used in Emission Calculations: Pensacola, Florida

(Avg Atmospheric Pressure = 14.7 psia)

TANKS PROGRAM 3.0  
 EMISSIONS REPORT - SUMMARY FORMAT  
 LIQUID CONTENTS OF STORAGE TANK

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Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Temp. Vapor Pressures (psia)			Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.	(deg F)	Avg.	Min.					
Distillate fuel oil no. 2	All	69.87	65.04	74.70	68.02	0.0089	0.0076	0.0104	130.000			130.00 Option 3: A=12.1010, B=8907.0

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
INDIVIDUAL TANK EMISSION TOTALS

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Annual Emissions Report

Liquid Contents	Losses (lbs.):		Total
	Standing	Working	
Distillate fuel oil no. 2	0.17	0.89	1.06
Total:	0.17	0.89	1.06

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

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Identification

Identification No.: SM09----12  
City: Southport  
State: FL  
Company: none  
Type of Tank: Horizontal Fixed Roof

Tank dimensions

Shell Length (ft): 6.0  
Diameter (ft): 4.0  
Volume (gallons): 560  
Is tank underground? (Y/N): N  
Turnovers: 40.0  
Net Throughput (gal/yr): 22400

Paint Characteristics

Shell Color/Shade: White/White  
Shell Condition: Good

Breather Vent Settings

Vacuum Setting (psig): 0.00  
Pressure Setting (psig): 0.00

Meteorological Data Used in Emission Calculations: Pensacola, Florida

(Avg Atmospheric Pressure = 14.7 psia)



TANKS PROGRAM 3.0  
 EMISSIONS REPORT - SUMMARY FORMAT  
 LIQUID CONTENTS OF STORAGE TANK

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Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Temp. Vapor Pressures (psia)			Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.	(deg F)	Avg.	Min.					
Distillate fuel oil no. 2	All	69.87	65.04	74.70	68.02	0.0089	0.0076	0.0104	130.000			130.00 Option 3: A=12.1010, B=8907.0

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
INDIVIDUAL TANK EMISSION TOTALS

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Annual Emissions Report

Liquid Contents	Losses (lbs.):		Total
	Standing	Working	
----- Distillate fuel oil no. 2	0.13	0.57	0.70
Total:	0.13	0.57	0.70

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

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Identification

Identification No.: SM13-14-15  
City: Southport  
State: FL  
Company: none  
Type of Tank: Vertical Fixed Roof

Tank Dimensions

Shell Height (ft): 10.0  
Diameter (ft): 10.0  
Liquid Height (ft): 10.0  
Avg. Liquid Height (ft): 5.0  
Volume (gallons): 6000  
Turnovers: 40.0  
Net Throughput (gal/yr): 240000

Paint Characteristics

Shell Color/Shade: White/White  
Shell Condition: Good  
Roof Color/Shade: White/White  
Roof Condition: Good

Roof Characteristics

Type: Cone  
Height (ft): 0.00  
Radius (ft) (Dome Roof): 0.00  
Slope (ft/ft) (Cone Roof): 0.0000

Breather Vent Settings

Vacuum Setting (psig): 0.00  
Pressure Setting (psig): 0.00

Meteorological Data Used in Emission Calculations: Pensacola, Florida

(Avg Atmospheric Pressure = 14.7 psia)

TANKS PROGRAM 3.0  
 EMISSIONS REPORT - SUMMARY FORMAT  
 LIQUID CONTENTS OF STORAGE TANK

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Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Vapor Pressures (psia)			Vapor	Liquid	Vapor	Mol. Basis for Vapor Pressure Calculations	
		Avg.	Min.	Max.	Temp. (deg F)	Avg.	Min.	Max.	Mol. Weight	Mass Fract.		Mass Fract.
Distillate fuel oil no. 2	All	69.87	65.04	74.70	68.02	0.0089	0.0076	0.0104	130.000			130.00 Option 3: A=12.1010, B=8907.0

TANKS PROGRAM 3.0  
EMISSIONS REPORT - SUMMARY FORMAT  
INDIVIDUAL TANK EMISSION TOTALS

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Annual Emissions Report

Liquid Contents	Losses (lbs.):		Total
	Standing	Working	
----- Distillate fuel oil no. 2	1.07	5.97	7.04
Total:	1.07	5.97	7.04

# Media Insert

Box Number: DEPA\_51 B021

File Number: 0050014

→ Colored Map

→ Disk

→ Photo

→ VHS Tape

→

Notes: