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FEB 23 1998

BUREAU OF  
AIR REGULATION

February 19, 1998

Mr. Al Linero, P.E.  
Administrator, New Source Review Section  
Florida Department of Environmental Protection  
2600 Blair Stone Rd.  
Tallahassee, Florida 32399-2400

RECEIVED  
FEB 26 1998  
BUREAU OF  
AIR REGULATION

Dear Mr. Linero:

1010017-004-AC

Re: Request to Burn Natural Gas at FPC's Anclote Facility  
DEP Permit Nos. AO51- 254492 and -169340; Draft Permit No. 1010017-003-AV

This letter serves to transmit Florida Power Corporation's (FPC) application for a *Permit to Construct* to facilitate the conversion of Anclote Units 1 and 2 to burn natural gas. Specifically, the pipeline under construction by Florida Gas Transmission (FGT) will have the capacity to bring approximately 99,840 MMBtu/day of natural gas to the Anclote site. This will enable either one or both units to co-fire gas and the currently permitted No. 6 oil.

Emissions of all air pollutants, on an hourly basis, will be lower while co-firing gas and oil than they would be while firing oil only. Further, potential annual emissions of all air pollutants will be comparable to historical annual levels. This is true because the Anclote units are considered to be *intermediate load* units (i.e., by definition, a range of 20 to 40 percent annual capacity factor) with or without the conversion to natural gas. In other words, the availability of gas, whenever it is lower cost, would help the Anclote units be more competitive within the intermediate load category, but would not change the units' category by an increase in capacity factor.

Enclosed are a table, presenting projected Anclote operations with and without the gas conversion, and a set of graphs, trending the price of various fuels (dollars per million Btu) over time. As the graphs show, the price of both gas and heavy oil are extremely volatile. In late 1996, the price of gas was higher than heavy oil. The projections attached are based on the most recent long-range fuel forecast (i.e., the annual forecast for 1998 showing the cost of gas and medium-sulfur heavy oil to be comparable), and the latest *Demand and Energy Forecast*. The bottom line is that the Anclote units will not operate significantly more when gas is available; in fact, at the current long-range forecast price, the units will operate less.

Mr. Linero  
February 19, 1998  
Page 2

Finally, FPC asks the Department to recognize that there is a five percent heat rate penalty when burning natural gas. This is due to the added hydrogen in the fuel; when oxidized, it leaves the stack as steam with a loss of the heat of vaporization. Therefore, FPC requests that the current allowable heat input limit be adjusted accordingly.

Enclosed please find four copies of the application for a *Permit to Construct* and a check in the amount of \$250.00 for the processing of this request. Currently, the project schedule anticipates commencement of construction on June 1, 1998; the estimated completion dates are November 1998 for Unit 2 and April 1999 for Unit 1. If you should have any questions concerning the enclosed, please do not hesitate to contact me at (813) 866-5158.

Sincerely,



Scott H. Osbourn  
Senior Environmental Engineer

Enclosures

cc: Clair Fancy, P.E., DEP  
Dave Trudel, Parsons, Inc.

cc: SWD

**PROJECTED ANCLOTE OPERATIONS WITH AND WITHOUT GAS CONVERSION**

UNIT	1998		1999		2000		2001		2002		2003	
	1	2	1	2	1	2	1	2	1	2	1	2
<b>With Gas</b>												
Cap. Factor	34.1	36.7	24.1	34.2	25.4	31.3	34.7	35.4	25.9	37.3	34.0	33.9
Service Hrs.	5653	5057	4676	5366	4345	4833	5564	5070	4834	5438	5289	4987
<b>W/O Gas</b>												
Cap. Factor	34.1	36.7	24.7	34.6	26.1	31.7	35.1	35.7	26.6	37.7	34.4	34.3
Service Hrs.	5653	5057	4676	5366	4345	4833	5586	5075	4840	5438	5298	4989
<b>Delta</b> (with-w/o)												
Cap. Factor	0.0	0.0	-0.6	-0.4	-0.7	-0.4	-0.4	-0.3	-0.7	-0.4	-0.4	-0.4
Service Hrs.	0	0	0	0	0	0	-22	-5	-6	0	-9	-2

**PROJECTED ANCLOTE FUEL CONSUMPTION WITH AND WITHOUT GAS CONVERSION**

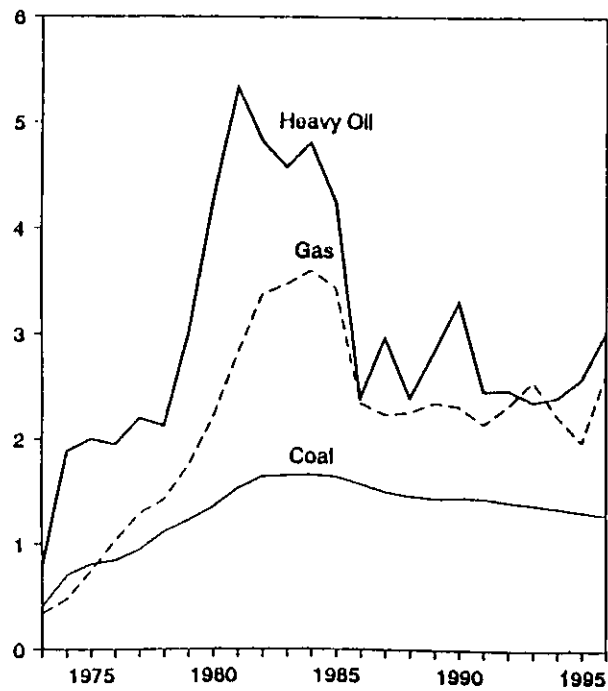
<b>With Gas</b> (000 bbls)												
Distillate	243.6	206.9	234.0	279.6	205.2	252.6	249.7	232.1	230.5	260.0	233.1	231.1
Med. Sulfur oil (000 mcf)	2487.8	2469.4	1360.4	1537.8	1474.8	1573.0	2100.9	1885.4	1615.5	1998.0	2077.0	1967.0
Natural Gas	0	331.8	2942.2	5677.2	2656.2	4162.1	2832.1	3739.5	2091.7	3892.4	2607.8	2555.8
<b>W/O Gas</b> (000 bbls)												
Distillate	243.6	206.9	234.0	279.6	205.2	252.6	248.8	232.1	230.5	260.0	233.1	231.1
Med. Sulfur oil (000 mcf)	2487.8	2518.2	1837.0	2409.2	1912.9	2215.0	2554.4	2462.8	1969.2	2606.7	2494.6	2371.7
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0
<b>Delta</b> (000 bbls)												
Distillate	0	0	0	0	0	0	0.9	0	0	0	0	0
Med. Sulfur oil (000 mcf)	0	-48.8	-476.6	-871.4	-438.1	-642.0	-453.5	-577.4	-353.7	-608.7	-417.6	-404.7
Natural Gas	0	331.8	2942.2	5677.2	2656.2	4162.1	2832.1	3739.5	2091.7	3892.4	2607.8	2555.8

Projections are based on the following assumptions: Fuel Forecast FCP-9703  
Demand and Energy Forecast L971201

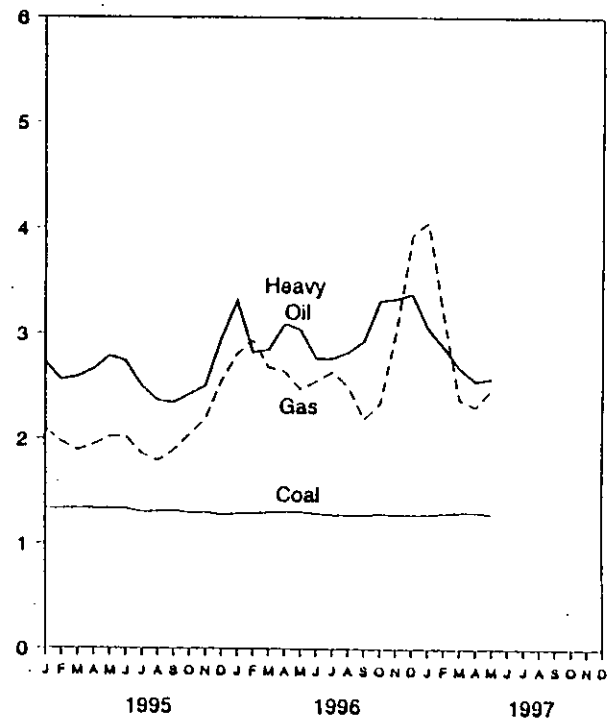
Notes: The Ancloite units are considered as intermediate units with or without the conversion to natural gas.  
Based on this fuel forecast, the operation of Ancloite would change very little. Medium sulfur oil is simply displaced by natural gas.

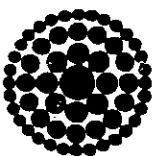
**Cost of Fossil-Fuel Receipts at Steam-Electric Plants**  
(Dollars per Million Btu)

Costs, 1973-1996



Costs, Monthly





**Florida Power**  
CORPORATION

ACCOUNTS PAYABLE DEPT. C2N

P. O. BOX 14042

ST. PETERSBURG, FL 33733-4042 **REMITTANCE ADVICE**

(813) 866-5257

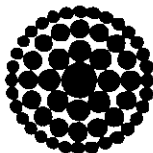
89

CHECK DATE 02/09/98 VENDOR FLA DEPT OF ENVIRONMENTAL VENDOR NO. 278473 CHECK NO. 1953199

INVOICE NO.	DATE	OUR ORDER NO.	VOUCHER	GROSS AMOUNT	DISCOUNT	NET AMOUNT
CK128091	02/04/98		9802189440	250.00	.00 TOTAL	250.00 250.00

THE ATTACHED REMITTANCE IS IN FULL SETTLEMENT OF ACCOUNT AS STATED. IF NOT CORRECT PLEASE RETURN TO ABOVE ADDRESS.

Accounts Payable Department C2N  
P.O. Box 14042  
St. Petersburg, FL 33733-4042



**Florida Power**  
CORPORATION

63-115  
631

DATE 02/09/98 CHECK NO. 1953199

PAY:

\$250 DOLLARS AND 00 CENTS

\*\*\*\*\*250.00

SunTrust / Mid-Florida

TO  
THE  
ORDER  
OF

FLA DEPT OF ENVIRONMENTAL  
PROTECTION  
2600 BLAIR STONE RD  
TALLAHASSEE FL 32399-2400

Void after 60 days

*J. H. Swallow*  
Treasurer

⑈ 1001953199⑈ ⑆063101153⑆6990032052736⑈



ACCOUNTS PAYABLE DEPT. C2N

P. O. BOX 14042

ST. PETERSBURG, FL 33733-4042 REMITTANCE ADVICE

(813) 866-5257

89

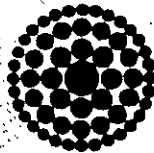
CHECK DATE 02/09/98 VENDOR FLA DEPT OF ENVIRONMENTAL

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Accounts Payable Department C2N  
P.O. Box 14042  
St. Petersburg, FL 33733-4042



Florida Power Corporation

63-115  
631

DATE 02/09/98 CHECK NO. 1953199

PAY: \$250 DOLLARS AND 00 CENTS

\*\*\*\*\*250.00

SunTrust / Mid-Florida

TO  
THE  
ORDER  
OF

FLA DEPT OF ENVIRONMENTAL  
PROTECTION  
2600 BLAIR STONE RD  
TALLAHASSEE FL 32399-2400

Void after 60 days

*J. P. Smallwood*  
Treasurer

⑈1001953199⑈ ⑆06310115316990032052736⑈

# Department of Environmental Protection

## DIVISION OF AIR RESOURCES MANAGEMENT

### APPLICATION FOR AIR PERMIT - LONG FORM

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

**RECEIVED**

FEB 26 1998

BUREAU OF  
AIR REGULATION

#### I. APPLICATION INFORMATION

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

#### Identification of Facility Addressed in This Application


Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: <b>Florida Power Corporation</b>	
2. Site Name: <b>Anclote Power Plant</b>	
3. Facility Identification Number: <b>1010017</b> [ ] Unknown	
4. Facility Location Information: Street Address or Other Locator: <b>Anclote Road, West of US 19</b> City: <b>Tarpon Springs</b> County: <b>Pasco</b> Zip Code: <b>33589</b>	
5. Relocatable Facility? [ ] Yes [x] No	6. Existing Permitted Facility? [x] Yes [ ] No

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<i>February 26, 1998</i>
2. Permit Number:	<i>1010017-004-AC</i>
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official: <b>W. Jeffrey Pardue, CEP Dir. Environmental Service Dept</b>
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: <b>Florida Power Corporation</b> Street Address: <b>3201 34th St. So.</b> City: <b>St. Petersburg</b> State: <b>FL</b> Zip Code: <b>33711</b>
3. Owner/Authorized Representative or Responsible Official Telephone Numbers:  Telephone: <b>(813) 866-5151</b> Fax: <b>(813) 866-4926</b>
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 unit.   Signature _____ Date <u>2/20/98</u>

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



**Scope of Application**

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

<b>Emissions Unit ID</b>		<b>Description of Emissions Unit</b>	<b>Permit Type</b>
<b>Unit #</b>	<b>Unit ID</b>		
1R	001	Oil Fired Steam Generator Unit 1	
2R	002	Oil Fired Steam Generator Unit 2	
3	---	Facility-wide Fugitive/De minimis Emissions	
4R	---	3 820 kW Diesel Generators (Relocatable)	

See individual Emissions Unit (EU) sections for more detailed descriptions.  
Multiple EU IDs indicated with an asterisk (\*). Regulated EU indicated with an "R".

**Purpose of Application and Category**

Check one (except as otherwise indicated):

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

This Application for Air Permit is submitted to obtain:

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

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

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

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

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

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

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

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

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

\_\_\_\_\_

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

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

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

\_\_\_\_\_

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

This Application for Air Permit is submitted to obtain:

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

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

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

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

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

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

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

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

This Application for Air Permit is submitted to obtain:

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

Current operation permit number(s), if any: A051-254492; A051-169340

Initial Title V Draft Permit No. 1010017-003-AV

- 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: \$ 250.00

Not Applicable.

**Construction/Modification Information**

1. Description of Proposed Project or Alterations:  Anclote Units 1 and 2 will be modified to accommodate the firing of natural gas. This will enable either one or both units to co-fire gas and the currently permitted No. 6 oil.
2. Projected or Actual Date of Commencement of Construction : June 1, 1998
3. Projected Date of Completion of Construction : Unit 2 completion by November 1, 1998, Unit 1 by April 1999.

**Professional Engineer Certification**

1. Professional Engineer Name: Jennifer L. Tillman Registration Number: 52125
2. Professional Engineer Mailing Address: Organization/Firm: Florida Power Corporation Street Address: 3201 - 34th Street South City: St. Petersburg State: FL Zip Code: 33711
3. Professional Engineer Telephone Numbers: Telephone: (813) 866-5022 Fax: (813) 866-4926

4. Professional Engineer's Statement:

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

*(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; 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 [x] 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 unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.*

*Jennifer L. Sullivan*  
\_\_\_\_\_  
Signature  
(seal)

*2/20/98*  
\_\_\_\_\_  
Date

\* Attach any exception to certification statement.



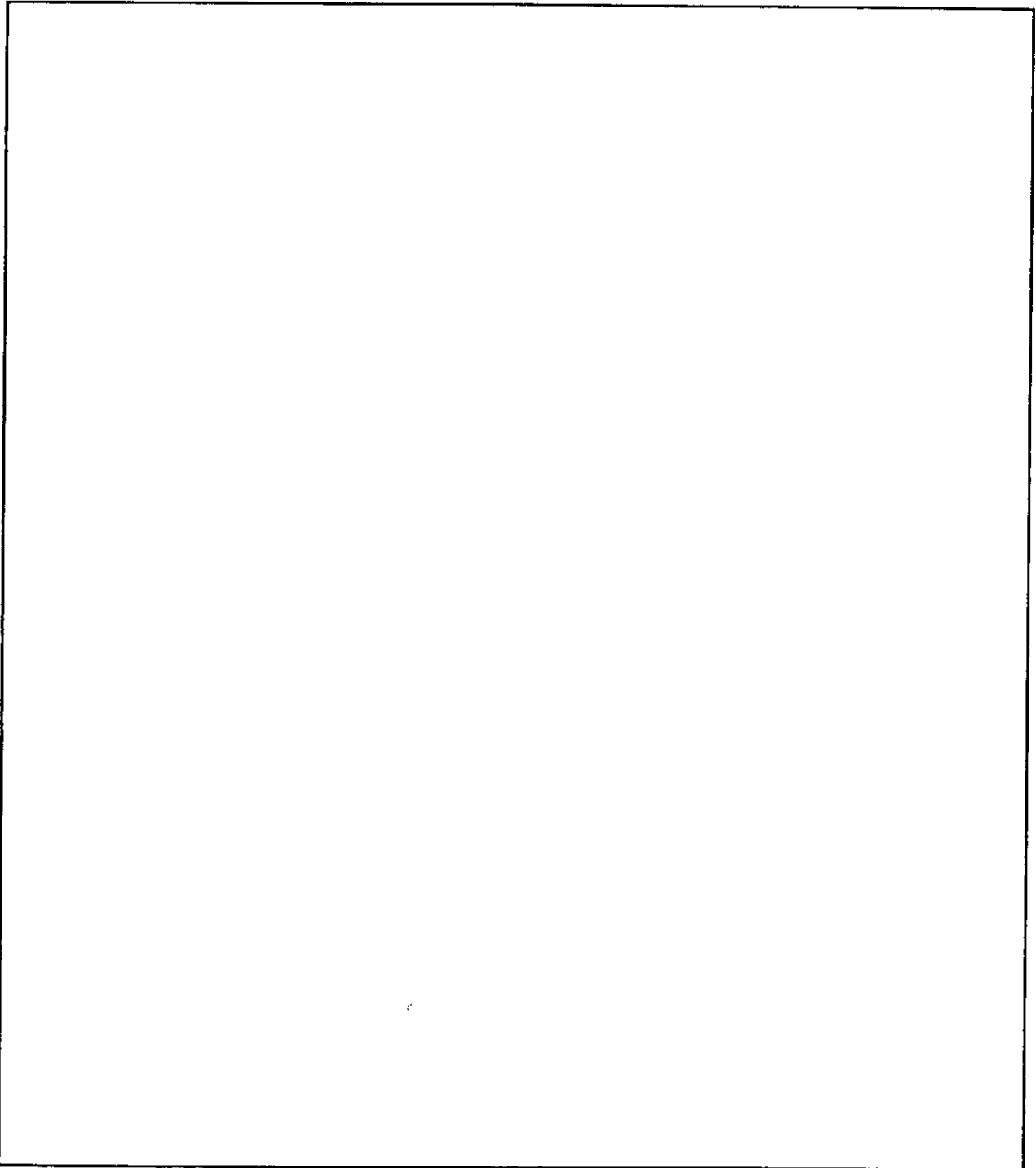






**B. FACILITY REGULATIONS**

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



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

**Refer to Attachment AN-FE-B**

## C. FACILITY POLLUTANTS

### Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
VOC Volatile Organic Compounds	A
HCL Hydrogen Chloride	A
FL Fluorides - Total	A
SAM Sulfuric Acid Mist	A
H133 Nickel Compounds	A
HAPS Total Hazardous Air Pollutants	A
SO2 Sulfur Dioxide	A
PM Particulate Matter - Total	A
PM10 Particulate Matter - PM10	A
NOX Nitrogen Oxides	A
CO Carbon Monoxide	A
H107 Hydrogen fluoride	A

## D. FACILITY POLLUTANT DETAIL INFORMATION

### Facility Pollutant Detail Information:

1. Pollutant Emitted:		
2. Requested Emissions Cap:	(lb/hr)	(tons/yr)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment (limit to 400 characters):		

### Facility Pollutant Detail Information:

1. Pollutant Emitted:		
2. Requested Emissions Cap:	(lb/hr)	(tons/yr)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment (limit to 400 characters):		

**E. FACILITY SUPPLEMENTAL INFORMATION**

**Supplemental Requirements for All Applications**

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

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

7. List of Proposed Exempt Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
9. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

<p>11. Identification of Additional Applicable Requirements:</p> <p><input type="checkbox"/> Attached, Document ID: _____</p> <p><input checked="" type="checkbox"/> Not Applicable</p>
<p>12. Compliance Assurance Monitoring Plan:</p> <p><input type="checkbox"/> Attached, Document ID: _____</p> <p><input checked="" type="checkbox"/> Not Applicable</p>
<p>13. Risk Management Plan Verification:</p> <p><input type="checkbox"/> Plan Submitted to Implementing Agency - Verification Attached Document ID: _____</p> <p><input checked="" type="checkbox"/> Plan to be Submitted to Implementing Agency by Required Date</p> <p><input type="checkbox"/> Not Applicable</p>
<p>14. Compliance Report and Plan</p> <p><input type="checkbox"/> Attached, Document ID: _____</p> <p><input checked="" type="checkbox"/> Not Applicable</p>
<p>15. Compliance Statement (Hard-copy Required)</p> <p><input checked="" type="checkbox"/> Attached, Document ID: <u>AN-FE-15</u></p> <p><input type="checkbox"/> Not Applicable</p>

**ATTACHMENT AN-FE-B**  
**FACILITY REGULATIONS**

ATTACHMENT AN-FE-B  
FACILITY REGULATIONS

Master Applicable Requirements Listing - Power Plants (5/13/96)

FACILITY: FPC Anclole Plant

FDEP Rules:

General Permits:

- 62-4.030
- 62-4.040(1)(a) - Exemptions from permitting
- 62-4.040(1)(b) - Exemptions from permitting
- 62-4.100
- 62-4.130

Asbestos NESHAP:

- 62-204.800(8)(b)8.(State Only) - Asbestos Removal
- 62-204.800(8)(d) (State Only) - General Provisions (Asbestos)

Stationary Sources-General:

62-210.300(2)

Exemptions - Plant Specific:

- 62-210.300(3)(a)4. - comfort heating < 1 mmBtu/hr
- 62-210.300(3)(a)5. - mobile sources
- 62-210.300(3)(a)7. - non-industrial vacuum cleaning
- 62-210.300(3)(a)8. - refrigeration equipment
- 62-210.300(3)(a)9. - vacuum pumps for labs
- 62-210.300(3)(a)10. - steam cleaning equipment
- 62-210.300(3)(a)11. - sanders < 5 ft<sup>2</sup> or less surface area
- 62-210.300(3)(a)12. - space heating equip.; (non-boilers)
- 62-210.300(3)(a)14. - bakery ovens
- 62-210.300(3)(a)15. - lab equipment
- 62-210.300(3)(a)16. - brazing, soldering or welding
- 62-210.300(3)(a)17. - laundry dryers
- 62-210.300(3)(a)20. - emergency generators, limited to 32,000 gal/yr
- 62-210.300(3)(a)21. - general purpose engines, limited to 32,000 gal/yr
- 62-210.300(3)(a)22. - fire and safety equipment
- 62-210.300(3)(a)23. - surface coating > 5% VOC; 6 gal/day or less, averaged month.
- 62-210.300(3)(a)24. - surface coating < 5% or less VOC
- 62-210.300(3)(b) - temporary exemptions
- 62-210.370(3) - AORs
- 62-210.900(5) - AOR Form

Title V Permits:

- 62-213.205(1)(a) - Fees



- 62-213.205(1)(b)
- 62-213.205(1)(c)
- 62-213.205(1)(e)
- 62-213.205(1)(f)
- 62-213.205(1)(g)
- 62-213.205(1)(i)
- 62-213.205(1)(j)
- 62-213.400 - Permits/Revisions
- 62-213.410 - Changes without permit revisions
- 62-213.420.(1)(b)2. - Permits-allows continued operation
- 62-213.420.(1)(b)3. - Permits-additional information
- 62-213.460 - Permit Shield
- 62-213.900(1) - Fee Form
  
- Open Burning:
- 62-256.300 - Prohibitions
- 62-256.500 - Land Clearing
- 62-256.700 - Open burning Allowed
  
- Asbestos Removal:
- 62-257.301 - Notification and Fee
- 62-257.400 - Fee Schedule
- 62-257.900 - Form
  
- Stationary Sources-Emission Standards:
- 62-296.320(2) (State Only) - Odor
- 62-296.320(3)(b)(State Only) - Emergency Open Burning
- 62-296.320(4)(b) - General VE Standard
- 62-296.320(4)(c) - Unconfined Emissions of Particulate Matter

Stationary Sources-Emission Monitoring

- 62-297.310(7)(a)10. - Exemption of annual VE for 210.300(3)(a) sources/Gen. Per.

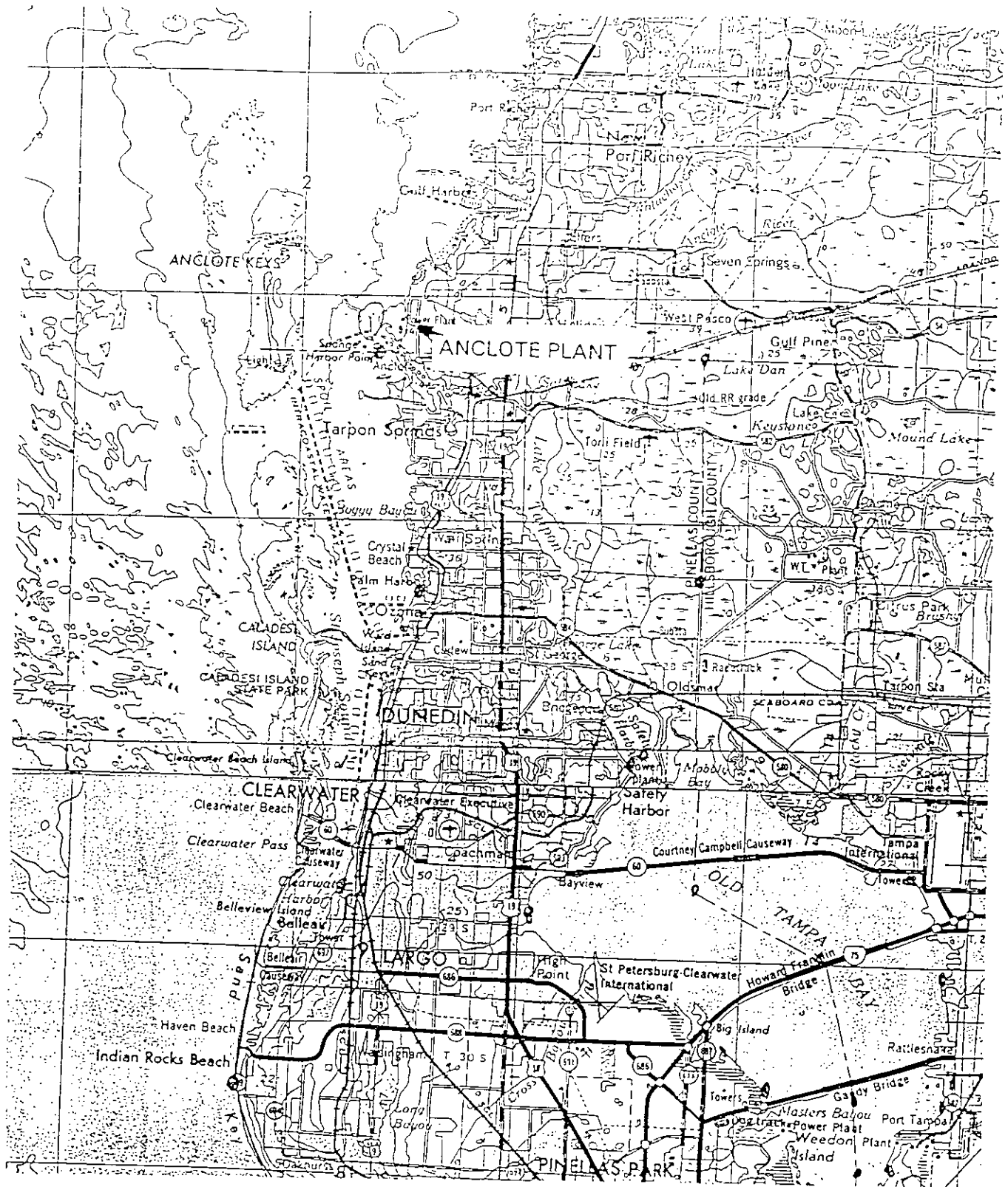
Federal Regulations:

Asbestos Removal:

- 40 CFR 61.05 - Prohibited Activities
- 40 CFR 61.12(b) - Compliance with work practice standard
- 40 CFR 61.19 - Circumvention
- 40 CFR 61.145 - Demolition and Renovation
- 40 CFR 61.148 - Standard for Insulating Material

**ATTACHMENT AN-FE-1**

**AREA MAP**

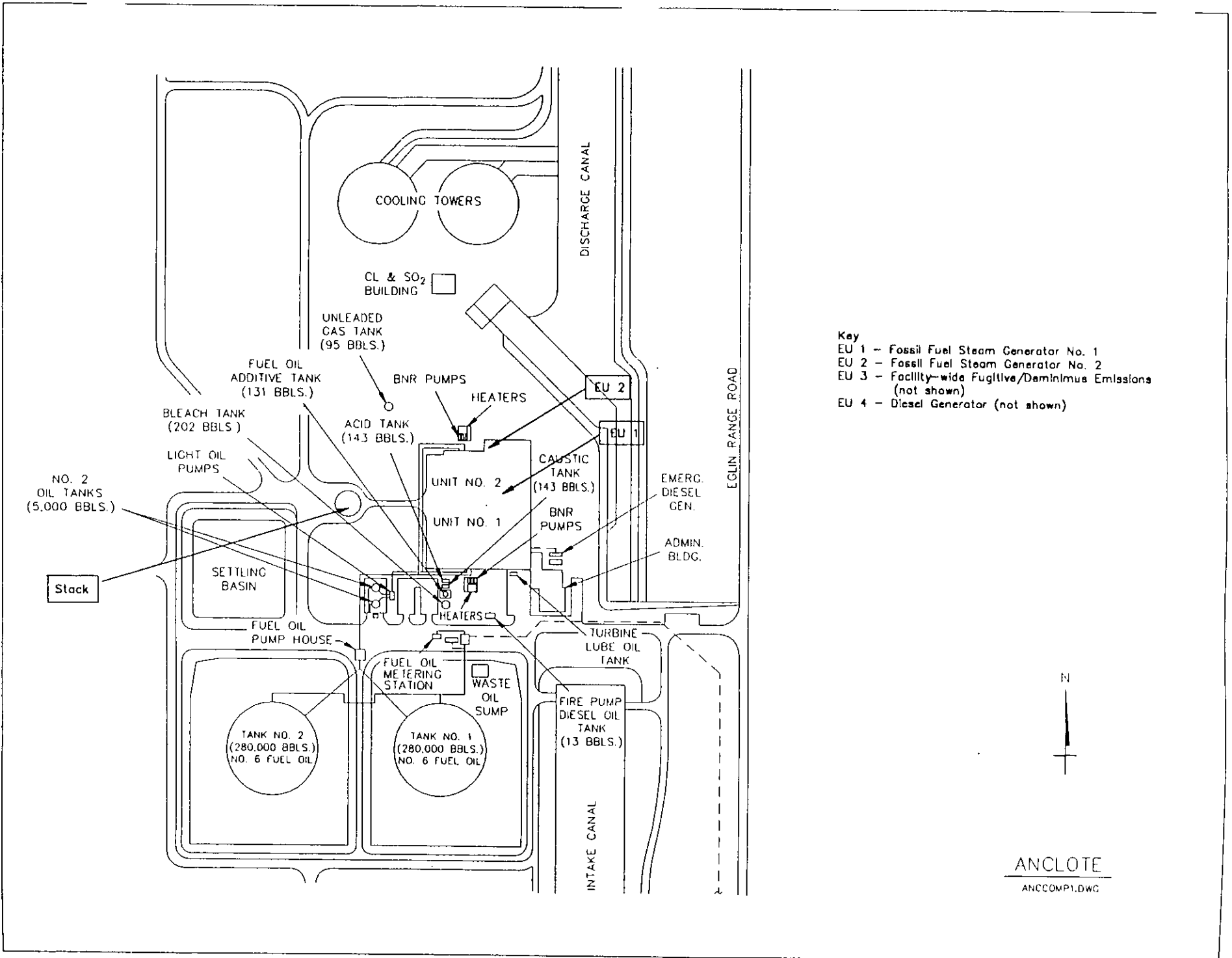


Attachment AN-FE-1  
 Florida Power Corporation, Anclote Plant



**ATTACHMENT AN-FE-2**

**FACILITY PLOT PLAN**

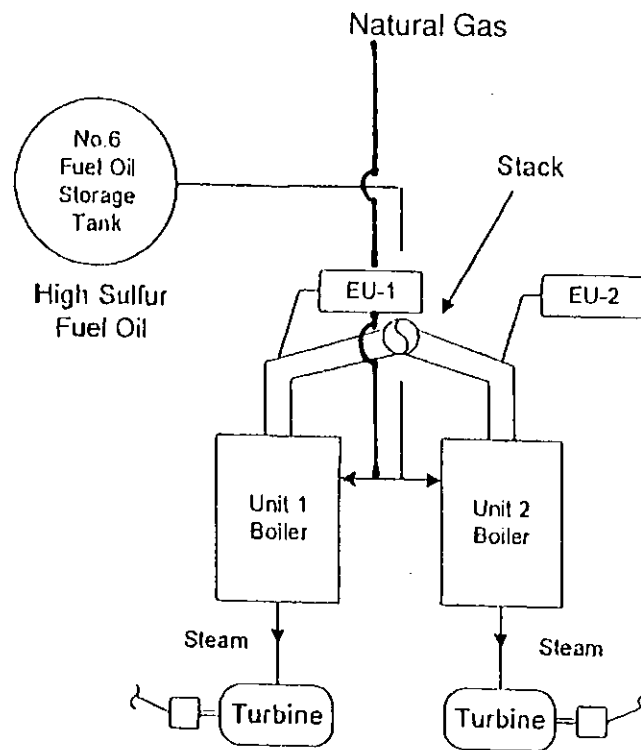


- Key**
- EU 1 - Fossil Fuel Steam Generator No. 1
  - EU 2 - Fossil Fuel Steam Generator No. 2
  - EU 3 - Facility-wide Fugitive/Minimum Emissions (not shown)
  - EU 4 - Diesel Generator (not shown)



ANCLOTE  
ANCCOMP1.DWC

**ATTACHMENT AN-FE-3**  
**PROCESS FLOW DIAGRAM**



**Notes:**

- EU1 & EU2 share a common stack.
- EU = Emission Unit Number
- See segment section for the operating rate of each emission unit
- Fuel Oil No. 2, 3, 4, 5, and 6 and on-spec Used Oil are permitted for use in Units No. 1 and 2 boilers.
- EU3- Facility-wide Fugitive/Deminimus Emissions
- EU4- Diesel Generators (3)

**ATTACHMENT AN-FE-4**

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



**ATTACHMENT AN-FE-4**  
**PRECAUTIONS TO PREVENT EMISSIONS**  
**OF UNCONFINED PARTICULATE MATTER**

The facility has negligible amounts of unconfined particulate matter as a result of the operation of the facility. Potential examples of particulate matter include:

- Fugitive dust from paved and unpaved roads, and
- Fugitive particulates from the use of bagged chemical products.

Operational measures are undertaken at the facility which also minimize particulate emissions, in accordance with 62-296.310(3), F.A.C.:

- Maintenance of paved areas as needed,
- Regular mowing of grass and care of vegetation, and
- Limiting access to plant property by unnecessary vehicles.

**ATTACHMENT AN-FE-5**  
**FUGITIVE EMISSIONS IDENTIFICATION**

## ATTACHMENT AN-FE-5 FUGITIVE EMISSIONS IDENTIFICATION

Many fugitive emissions at the plant site have been classified as "trivial activities" (as presented in EPA's memorandum, "White Paper for Streamlined Development of Part 70 Permit Applications," July 10, 1995). As a result, these activities are not included as part of this permit application. For example, emissions from general plant maintenance and upkeep activities at the facility would be considered fugitive emissions, but have been judged to be trivial since these activities are not conducted as part of a manufacturing process, not related to the source's primary business activity, and do not otherwise trigger a permit modification.

Fugitive emissions that may result from the operation of activities that are not trivial at the facility are addressed in Emission Unit No. 3. This emission unit contains information on fugitive emissions that occur on a facility-wide basis. A summary of potential fugitive/*de minimis* emission sources at the facility is presented in the following sections.

### Criteria and Precursor Air Pollutants

FPC has not identified fugitive emission of sulfur dioxide, nitrogen oxides, carbon monoxide, or lead compounds which would exceed the thresholds defined in the permit application instructions.

### Volatile Organic Compounds (VOCs)

Fugitive/*de minimis* emissions of VOCs include those resulting from the use of cleaners and solvents for maintenance and operation. VOCs are also emitted by the various fuel oil storage tanks on the plant property, and generator and turbine lube oil vents.

### Fugitive HAPs Emissions

The following hazardous air pollutants are or may be present on the facility property and are potential sources of fugitive HAPs emissions:

- asbestos
- benzene
- chlorine
- hydrazine
- hydrochloric acid
- mercury compounds
- methyl ethyl ketone
- toluene
- xylene

**Asbestos** - Present in gasket material, pipe insulation, and various other locations. The facility complies with the federal NESHAPS (40 CFR 61 Subpart M) and state rules (62-257, F.A.C.) governing the abatement of asbestos-containing materials. No releases of asbestos are expected for the facility.

**Benzene** - Present in unleaded gasoline. The facility maintains a storage tank for unleaded gasoline. These emissions have been calculated to be significantly less than 1 TPY.

**Chlorine** - Used for water treatment at the facility.

**Hydrazine** - Hydrazine solution may be used for the treatment of boiler water.

**Hydrochloric Acid** - The facility may utilize hydrochloric acid in the chemistry laboratory for use in analytical procedures.

**Mercury Compounds** - The facility uses mercury-containing compounds in the chemistry laboratory for use in analytical procedures and flow-measuring equipment.

**Methyl Ethyl Ketone, Toluene, Xylene** - The facility uses paint thinners and solvents (which may contain MEK, toluene, or xylene) for use in plant maintenance activities. These containers are kept closed and are stored in weather-tight buildings. These emissions as a whole are addressed in the VOC section (preceding page).

#### Regulated Toxic or Flammable Substances

The following regulated toxic or flammable substances are or may be present at the FPC facility:

- ammonia (aqueous, concentration 20 percent or greater)
- chlorine
- hydrazine
- hydrochloric acid
- nitric acid
- acetylene

**Ammonia** - Used for boiler water treatment.

**Chlorine, Hydrazine, Hydrochloric Acid** - Considered on the preceding page.

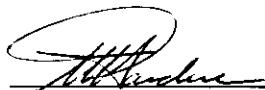
**Nitric Acid** - Nitric acid may be used in the chemistry laboratory for use in analytical procedures.

**Acetylene** - Present on the facility property in 250-lb cylinders which are used for plant maintenance (welding and cutting).

**ATTACHMENT AN-FE-15**  
**COMPLIANCE STATEMENT**

ATTACHMENT AN-FE-15  
COMPLIANCE STATEMENT

I, the undersigned, am the responsible official as defined in Chapter 62-213, 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.



\_\_\_\_\_  
Signature, Responsible Official

W. Jeffrey Pardue, C E P., Director, Environmental Services Department

2/20/98

Date

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT  
(Regulated and Unregulated Emissions Units)****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 (limit to 60 characters): <b>Oil Fired Steam Generator Unit 1</b>		
2. Emissions Unit Identification Number: <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown <b>001</b>		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Emissions Unit Comment (limit to 500 characters): <b>1. Tangential-fired unit. 2. Nameplate rating - winter rating dependent upon condenser cooling water intake temperature 540 MW; summer rating - 535 MW.</b>		

**Emissions Unit Control Equipment Information**

**A.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**B.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**C.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

**Emissions Unit Details**

1. Initial Startup Date:	16 Oct 1974	
2. Long-term Reserve Shutdown Date:		
3. Package Unit: Manufacturer:	Model Number:	
4. Generator Nameplate Rating:	540 MW	
5. Incinerator Information:		
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

**Emissions Unit Operating Capacity**

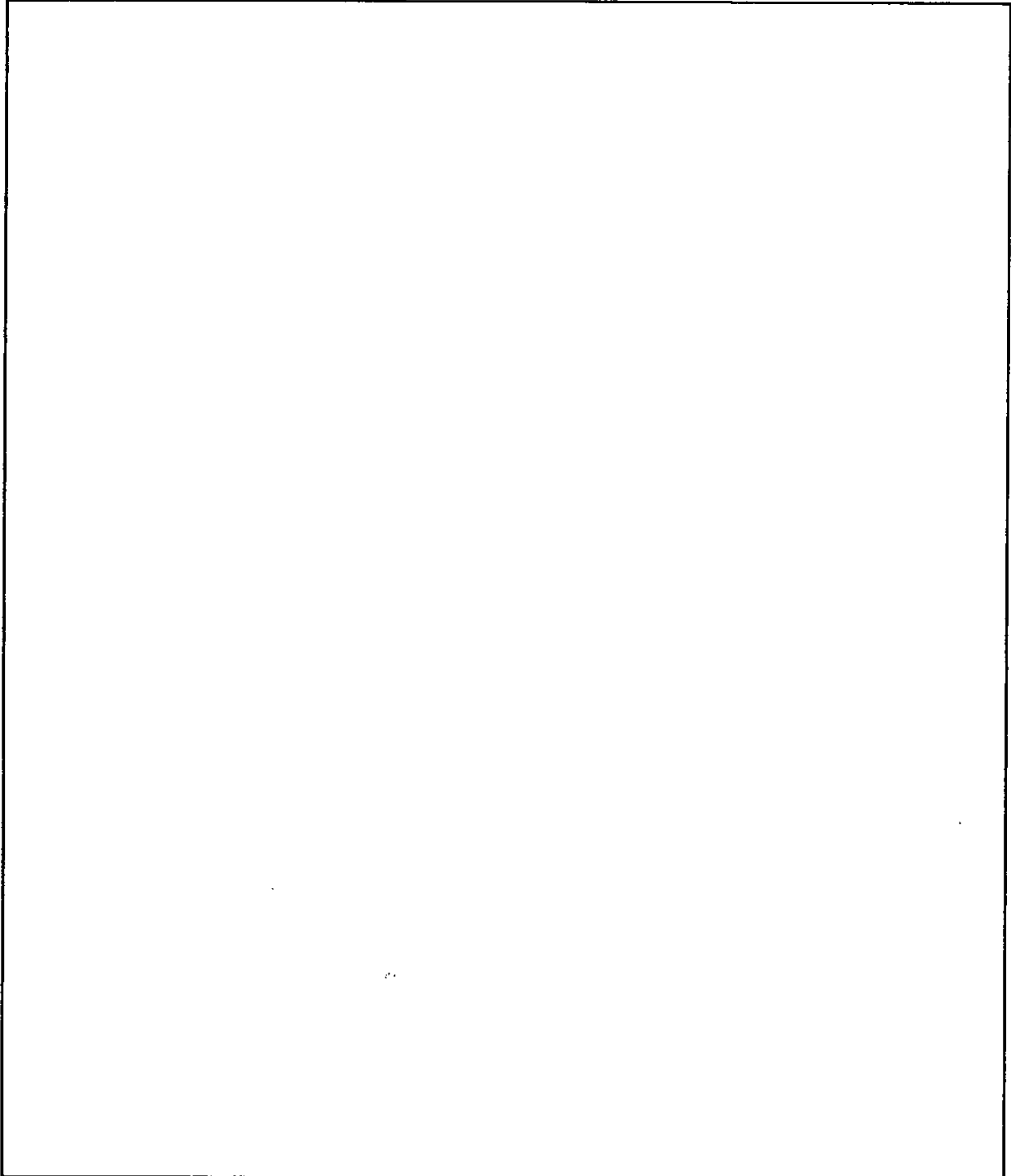
1. Maximum Heat Input Rate:	5,212	mmBtu/hr
2. Maximum Incineration Rate:	lbs/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Operating Capacity Comment (limit to 200 characters):	Gen. Rating - Winter	

**Emissions Unit Operating Schedule**

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

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

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



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

See Attachment AN-EU1-D

**E. EMISSION POINT (STACK/VENT) INFORMATION  
(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>01</b>	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): <b>Unit 1 and Unit 2 share a common stack.</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <b>001, 002</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	<b>499</b> feet
7. Exit Diameter:	<b>24</b> feet
8. Exit Temperature:	<b>320</b> °F

9. Actual Volumetric Flow Rate:	1,699,026 acfm	
10. Percent Water Vapor:	%	
11. Maximum Dry Standard Flow Rate:	dscfm	
12. Nonstack Emission Point Height:	feet	
13. Emission Point UTM Coordinates:		
Zone: 17	East (km): 324.4	North (km): 3118.7
14. Emission Point Comment (limit to 200 characters):		

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
 (Regulated and Unregulated Emissions Units)

**Segment Description and Rate:** Segment 1 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>Ext. Comb. electric generating distillate oil No.1 and No.2</b>	
2. Source Classification Code (SCC):  <b>1-01-005-01</b>	
3. SCC Units:  <b>Thousand Gallons Burned</b>	
4. Maximum Hourly Rate:  <b>35.97</b>	5. Maximum Annual Rate:  <b>315,106</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:  <b>0.5</b>	8. Maximum Percent Ash:  <b>0.1</b>
9. Million Btu per SCC Unit:  <b>138</b>	
10. Segment Comment (limit to 200 characters):  <b>No. 2 fuel oil used during start-up and for boiler stabilization during startup/shutdown. Unit is tangentially fired. Heat content - HHV. Max. hour rate based on max. capacity.</b>	



**Segment Description and Rate:** Segment 2 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): <b>Ext. Comb. Boiler, electric generating residual oil No. 6.</b>	
2. Source Classification Code (SCC): <b>1-01-004-04</b>	
3. SCC Units: <b>Thousand Gallons Burned</b>	
4. Maximum Hourly Rate: <b>32.66</b>	5. Maximum Annual Rate: <b>286,080</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur: <b>2.5</b>	8. Maximum Percent Ash: <b>0.1</b>
9. Million Btu per SCC Unit: <b>152</b>	
10. Segment Comment (limit to 200 characters): <b>Unit is tangentially fired. Heat Content - HHV.</b>	

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
(Regulated and Unregulated Emissions Units)

**Segment Description and Rate:** Segment 3 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  Ext. Comb. Boiler, electric generating residual oil No. 5	
2. Source Classification Code (SCC):  1-01-004-06	
3. SCC Units:  Thousand gallons burned	
4. Maximum Hourly Rate:  32.66	5. Maximum Annual Rate:  286,080
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:  2.5	8. Maximum Percent Ash:  0.1
9. Million Btu per SCC Unit:  152	
10. Segment Comment (limit to 200 characters):  1) Unit is tangentially fired. 2) Heat content - HHV.	

Segment Description and Rate: Segment 4 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Ext. Comb. Boiler, electric generating residual oil No. 4	
2. Source Classification Code (SCC): <span style="float: right;">1-01-005-05</span>	
3. SCC Units: <span style="float: right;">Thousand gallons burned</span>	
4. Maximum Hourly Rate: <span style="float: right;">34.472</span>	5. Maximum Annual Rate: <span style="float: right;">301,977</span>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur: <span style="float: right;">0.7</span>	8. Maximum Percent Ash: <span style="float: right;">0.1</span>
9. Million Btu per SCC Unit: <span style="float: right;">144</span>	
10. Segment Comment (limit to 200 characters): 1) Unit is tangentially fired. 2) Heat content - HHV. 3) Also, No. 3 fuel oil.	

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
(Regulated and Unregulated Emissions Units)

**Segment Description and Rate:** Segment 5 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>On - specification used oil.</b>	
2. Source Classification Code (SCC):  <b>1-01-013-02</b>	
3. SCC Units:  <b>Thousand gallons burned</b>	
4. Maximum Hourly Rate:  <b>35.97</b>	5. Maximum Annual Rate:  <b>31,511</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:  <b>2.5</b>	8. Maximum Percent Ash:  <b>0.9</b>
9. Million Btu per SCC Unit:  <b>138</b>	
10. Segment Comment (limit to 200 characters):  <b>Heat content - HHV. Limited to 10% annual heat input.</b>	



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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM			EL
PM10			NS
SO2			EL
NOX			NS
CO			NS
VOC			NS
H107			NS
H133			NS
HAPS			NS
FL			NS

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

1. Pollutant Emitted: <b>PM</b>		
2. Total Percent Efficiency of Control:		<b>0 %</b>
3. Potential Emissions:	<b>1,489.2 lb/hour</b>	<b>2,717.8 tons/year</b>
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions:		
[ <input type="checkbox"/> ] 1 [ <input type="checkbox"/> ] 2 [ <input type="checkbox"/> ] 3 _____ to _____ tons/yr		
6. Emission Factor:		<b>0.3 lb/MMBtu</b>
Reference: <b>FDEP Rule 62-210.700</b>		
7. Emissions Method Code:		
[ <input checked="" type="checkbox"/> ] 0 [ <input type="checkbox"/> ] 1 [ <input type="checkbox"/> ] 2 [ <input type="checkbox"/> ] 3 [ <input type="checkbox"/> ] 4 [ <input type="checkbox"/> ] 5		
8. Calculation of Emissions (limit to 600 characters):		
<b>See Attachment AN-EU1-H8</b>		
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):		
<b>1) Potential lb/hr based on sootblowing while burning oil. 2) Potential TPY based on 0.125 lb/MMBtu (0.1 lb/MMBtu during normal 21 hrs; 0.3 lb/MMBtu during sootblowing 3 hrs) in a 24-hr period.</b>		

Emissions Unit Information Section 1 of 4  
Allowable Emissions (Pollutant identified on front page)

**A.**

1. Basis for Allowable Emissions Code: <b>RULE</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: <b>0.1 lb/MMBtu</b>		
4. Equivalent Allowable Emissions:	<b>496.4 lb/hour</b>	<b>2,174.2 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Annual compliance test, EPA Method 5 or 17</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): <b>1) Based on oil firing during normal operations. 2) Rule 62-210.700</b>		

**B.**

1. Basis for Allowable Emissions Code: <b>RULE</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: <b>0.3 lb/MMBtu</b>		
4. Equivalent Allowable Emissions:	<b>1,489.2 lb/hour</b>	<b>815.3 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Annual compliance test, EPA Method 5 or 17</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): <b>1) Based on sootblowing while firing oil (3 hours in 24 hours). 2) Rule 62-210.700.</b>		



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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>SO2</b>	
2. Total Percent Efficiency of Control:	<b>0 %</b>
3. Potential Emissions:	<b>13,651 lb/hour      59,791 tons/year</b>
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive/Other Emissions:	
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3    _____ to _____ tons/yr	
6. Emission Factor:	<b>2.75 lb/MMBtu</b>
Reference: FDEP 62-296.405(1)	
7. Emissions Method Code:	
<input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5	
8. Calculation of Emissions (limit to 600 characters):	
<b>See Attachment AN-EU1-H8.</b>	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):	
<b>1) Based on oil firing (No. 6).</b>	

Emissions Unit Information Section 1 of 4  
**Allowable Emissions (Pollutant identified on front page)**

**A.**

1. Basis for Allowable Emissions Code: <b>RULE</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: <b>2.75 lb/MMBtu</b>		
4. Equivalent Allowable Emissions:	<b>13,651 lb/hour</b>	<b>59,791 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Fuel analysis during emission testing.</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): <b>1) Firing No. 6 fuel oil. 2) Rule 62-296.405(1).</b>		

**B.**

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters):		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

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

**Visible Emissions Limitations:** Visible Emissions Limitation 1 of 4

1.	Visible Emissions Subtype: <b>VE40</b>
2.	Basis for Allowable Opacity: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions: <b>40</b> %        Exceptional Conditions:        % Maximum Period of Excess Opacity Allowed:        min/hour
4.	Method of Compliance: <b>EPA Method 9 - Annual Compliance Test.</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>1) 40% emission limit as specified in OGC File No. 82-0514 dated 11/7/82. 2) Visible emission limit at steady state. 3) Rule 62-296.405(1).</b>

**Visible Emissions Limitations:** Visible Emissions Limitation 2 of 4

1.	Visible Emissions Subtype: <b>VE60</b>
2.	Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions: <b>60</b> %        Exceptional Conditions: <b>100</b> % Maximum Period of Excess Opacity Allowed: <b>24</b> min/hour
4.	Method of Compliance: <b>EPA Method 9</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>1) 60% opacity allowed during load changing and boiler cleaning for 3 hours in a 24-hour period. Unlimited opacity allowed for 4 six-minute periods during 3 hours. 2) Rule 62-210.700(3).</b>

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

**Visible Emissions Limitations:** Visible Emissions Limitation 3 of 4

1.	Visible Emissions Subtype: <b>VE</b>
2.	Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions:            %        Exceptional Conditions: <b>100</b> % Maximum Period of Excess Opacity Allowed: <b>60</b> min/hour
4.	Method of Compliance: <b>Best operational practices</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>Rule 62-210.700(1). Excess emissions allowed for 2 hr in 24 hr, malfunction.</b>

**Visible Emissions Limitations:** Visible Emissions Limitation 4 of 4

1.	Visible Emissions Subtype: <b>VE</b>
2.	Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions:            %        Exceptional Conditions: <b>100</b> % Maximum Period of Excess Opacity Allowed: <b>60</b> min/hour
4.	Method of Compliance: <b>Best operational practices</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>Rule 62-210.700(2). Excess emissions for startup/shutdown.</b>

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

**Continuous Monitoring System** Continuous Monitor 1 of 5

1. Parameter Code: <b>CO2</b>	2. Pollutant(s):
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>TECO</b> Model Number: <b>41 H</b> Serial Number: <b>41 H-45737-274</b>	
5. Installation Date: <b>28 Dec 1994</b>	
6. Performance Specification Test Date: <b>28 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6</b>	

**Continuous Monitoring System** Continuous Monitor 2 of 5

1. Parameter Code: <b>EM</b>	2. Pollutant(s): <b>SO2</b>
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>TECO</b> Model Number: <b>43B</b> Serial Number: <b>43 B-46179-275</b>	
5. Installation Date: <b>28 Dec 1994</b>	
6. Performance Specification Test Date: <b>28 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6.</b>	

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

**Continuous Monitoring System** Continuous Monitor 3 of 5

1. Parameter Code: <b>EM</b>	2. Pollutant(s): <b>NOX</b>
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>TECO</b> Model Number: <b>42</b> Serial Number: <b>42-45969-274</b>	
5. Installation Date: <b>28 Dec 1994</b>	
6. Performance Specification Test Date: <b>28 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6.</b>	

**Continuous Monitoring System** Continuous Monitor 4 of 5

1. Parameter Code: <b>FLOW</b>	2. Pollutant(s):
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>United Sciences</b> Model Number: <b>Ultra Flow 100</b> Serial Number: <b>9303413</b>	
5. Installation Date: <b>28 Dec 1994</b>	
6. Performance Specification Test Date: <b>28 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6. Second monitor - Ser. No. 9303512</b>	

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

**Continuous Monitoring System** Continuous Monitor 5 of 5

1. Parameter Code: <b>VE</b>	2. Pollutant(s):
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number: <b>29849</b>	
5. Installation Date: <b>28 Dec 1994</b>	
6. Performance Specification Test Date: <b>28 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6</b>	

**Continuous Monitoring System** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: <input type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT  
TRACKING INFORMATION  
(Regulated and Unregulated Emissions Units)**

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

- The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and the source 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 the source 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 the 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	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
	SO <sub>2</sub>	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
	NO <sub>2</sub>	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
4.	Baseline Emissions:			
	PM	lb/hour		tons/year
	SO <sub>2</sub>	lb/hour		tons/year
	NO <sub>2</sub>			tons/year
5.	PSD Comment (limit to 200 characters):			
	<b>Baseline emissions not known.</b>			

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION  
(Regulated Emissions Units Only)**

**Supplemental Requirements for All Applications**

1.	Process Flow Diagram	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L1</u>	<input type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
2.	Fuel Analysis or Specification	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L2</u>	<input type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
3.	Detailed Description of Control Equipment	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
4.	Description of Stack Sampling Facilities	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L4</u>	<input type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
5.	Compliance Test Report	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Previously Submitted, Date: <u>4 Aug 1995</u>	<input type="checkbox"/> Not Applicable
6.	Procedures for Startup and Shutdown	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L6</u>	<input type="checkbox"/> Not Applicable	
7.	Operation and Maintenance Plan	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	
8.	Supplemental Information for Construction Permit Application	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	
9.	Other Information Required by Rule or Statute	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	

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

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L12</u> <input type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Permit Application (Hard Copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**ATTACHMENT AN-EU1-D**  
**EMISSION UNIT REGULATIONS**

ATTACHMENT AN-EU1-D  
EMISSION UNIT REGULATIONS

Master Applicable Requirements Listing - Power Plants (5/13/96)

EMISSION UNIT: EU1: Unit 1- FPC Ancote Plant

FDEP Rules:

Air Pollution Control-General Provisions:

- 62-204.800(12) (State Only) - Acid Rain Program
- 62-204.800(13) (State Only) - Allowances
- 62-204.800(14) (State Only) - Acid Rain Program Monitoring

Stationary Sources-General:

- 62-210.700(1) - Malfunction only for FFSG
- 62-210.700(2) - FFSG; startup/shut down
- 62-210.700(3) - FFSG; sootblowing/load change
- 62-210.700(4) - maintenance
- 62-210.700(6)

Acid Rain:

- 62-214.300 - Acid Rain Units (Applicability)
- 62-214.320 - Acid Rain Units (Application Shield)
- 62-214.330 - Compliance Options (if 214.430)
- 62-214.340 - Exemptions (new units, retired units)
- 62-214.350(2);(3);(6) - Acid Rain Units (Certification)
- 62-214.370 - Acid Rain Units (Revisions; correction; potentially applicable if a need arises)
- 62-214.430 - Acid Rain Units (Compliance Options)

Stationary Sources-Emission Standards/RACT:

- 62-296.405(1)(a) - FFSG;VE
- 62-296.405(1)(b) - FFSG; PM
- 62-296.405(1)(c)1.j. - FFSG;Oil-SO2 (general limit)
- 62-296.405(1)(e) - FFSG;Test Methods
- 62-296.405(1)(f)1.a.(i) - FFSG; Opacity CEMS exempted for oil/gas units
- 62-296.405(1)(f)1.b. - FFSG; SO2 CEMS exempted for non-controlled units (oil/gas)

Stationary Sources-Emission Monitoring (where stack test is required):

- 62-297.310(1) - Test Runs-Mass Emission
- 62-297.310(2)(b) - Operating Rate; other than CTs
- 62-297.310(3) - Calculation of Emission
- 62-297.310(4)(a) - Applicable Test Procedures;Sampling time
- 62-297.310(4)(b) - Sample Volume
- 62-297.310(4)(c) - Required Flow Rate Range-PM/H2SO4/F

- 62-297.310(4)(d) - Calibration
- 62-297.310(4)(e) - EPA Method 5-only
- 62-297.310(5) - Determination of Process Variables
- 62-297.310(6)(a) - Permanent Test Facilities-general
- 62-297.310(6)(c) - Sampling Ports
- 62-297.310(6)(d) - Work Platforms
- 62-297.310(6)(e) - Access
- 62-297.310(6)(f) - Electrical Power
- 62-297.310(6)(g) - Equipment Support
- 62-297.310(7)(a)2. - FFSG excess emissions
- 62-297.310(7)(a)3. - Permit Renewal Test Required
- 62-297.310(7)(a)4. - PM exemption if < 400 hrs/yr
- 62-297.310(7)(a)5. - FDEP Notification - 15 days
- 62-297.310(7)(a)9. - Waiver of Comp. Tests (Fuel Sampling)
- 62-297.310(7)(c) - Test Reports
- 62-297.310(8)

Federal Rules:

Acid Rain-Permits:

- 40 CFR 72.9(a) - Permit Requirements
- 40 CFR 72.9(b) - Monitoring Requirements
- 40 CFR 72.9(c)(1) - SO2 Allowances-hold allowances
- 40 CFR 72.9(c)(2) - SO2 Allowances-violation
- 40 CFR 72.9(c)(3)(iii) - SO2 Allowances-Phase II Units (listed)
- 40 CFR 72.9(c)(4) - SO2 Allowances-allowances held in ATS
- 40 CFR 72.9(c)(5) - SO2 Allowances-no deduction for 72.9(c)(1)(i)
- 40 CFR 72.9(e) - Excess Emission Requirements
- 40 CFR 72.9(f) - Recordkeeping and Reporting
- 40 CFR 72.9(g) - Liability
- 40 CFR 72.20(a) - Designated Representative; required
- 40 CFR 72.20(b) - Designated Representative; legally binding
- 40 CFR 72.20(c) - Designated Representative; certification requirements
- 40 CFR 72.21 - Submissions
- 40 CFR 72.22 - Alternate Designated Representative
- 40 CFR 72.23 - Changing representatives; owners
- 40 CFR 72.30(a) - Requirements to Apply (operate)
- 40 CFR 72.30(c) - Requirements to Apply (reapply before expiration)
- 40 CFR 72.30(d) - Requirements to Apply (submittal requirements)
- 40 CFR 72.32 - Application Shield
- 40 CFR 72.33(b) - Dispatch System ID;unit/system ID
- 40 CFR 72.33(c) - Dispatch System ID;ID requirements
- 40 CFR 72.33(d) - Dispatch System ID;ID change
- 40 CFR 72.40(a) - General; compliance plan
- 40 CFR 72.40(b) - General; multi-unit compliance options
- 40 CFR 72.40(c) - General; conditional approval
- 40 CFR 72.40(d) - General; termination of compliance options
- 40 CFR 72.51 - Permit Shield

- 40 CFR 72.90 - Annual Compliance Certification
  
- Monitoring Part 75:
- 40 CFR 75.4 - Compliance Dates
- 40 CFR 75.5 - Prohibitions
- 40 CFR 75.10(a)(1) - Primary Measurement; SO<sub>2</sub>; except 75.11&.16; Subpart D
- 40 CFR 75.10(a)(2) - Primary Measurement; NO<sub>x</sub>; except 75.12&.17; Subpart E
- 40 CFR 75.10(a)(3)(i) - Primary Measurement; CO<sub>2</sub>; monitor
- 40 CFR 75.10(a)(4) - Primary Measurement; Opacity; except 75.14&.18
  
- 40 CFR 75.10(b) - Primary Measurement; Performance Requirements
- 40 CFR 75.10(c) - Primary Measurement; Heat Input; Appendix F
- 40 CFR 75.10(d) - Primary Measurement; Hourly Operating ; Opacity; SO<sub>2</sub>
- 40 CFR 75.10(f) - Primary Measurement; Minimum Measurement
- 40 CFR 75.10(g) - Primary Measurement; Minimum Recording
- 40 CFR 75.11(d) - SO<sub>2</sub> Monitoring; Gas- and Oil-fired units
- 40 CFR 75.11(e) - SO<sub>2</sub> Monitoring Gaseous Firing
- 40 CFR 75.12(b) - NO<sub>x</sub> Monitoring; Determination of NO<sub>x</sub> emission rate; Appendix F
  
- 40 CFR 75.13(a) - CO<sub>2</sub> Monitoring; Continuous monitor
- 40 CFR 75.14(a) - Opacity Monitoring; Coal and oil units
- 40 CFR 75.20(a)(5) - Initial Certification Approval Process; Loss of Certification
- 40 CFR 75.20(b) - Recertification Procedures
- 40 CFR 75.20(c) - Certification Procedures
- 40 CFR 75.20(g) - Exceptions to CEMS; oil/gas/diesel; Addendix D & E
- 40 CFR 75.21 - QA/QC; CEMS
- 40 CFR 75.21(b) - QA/QC; Opacity
- 40 CFR 75.21(c) - QA/QC; Calibration Gases
- 40 CFR 75.21(d) - QA/QC; Notice of RATA
- 40 CFR 75.21(e) - QA/QC; Audits
- 40 CFR 75.21(f) - QA/QC; CEMS
- 40 CFR 75.22 - Reference Methods
- 40 CFR 75.24 - Out-of-Control Periods; CEMS
- 40 CFR 75.30(a)(1) - General Missing Data Procedures; SO<sub>2</sub>
- 40 CFR 75.30(a)(2) - General Missing Data Procedures; flow
- 40 CFR 75.30(a)(3) - General Missing Data Procedures; NO<sub>x</sub>
- 40 CFR 75.30(a)(4) - General Missing Data Procedures; CO<sub>2</sub>
- 40 CFR 75.30(d) - General Missing Data Procedures; SO<sub>2</sub>
- 40 CFR 75.32 - Monitoring Data Availability for Missing Data
- 40 CFR 75.33 - Standard Missing Data Procedures
- 40 CFR 73.35 - Missing Data Procedures for CO<sub>2</sub> Data
- 40 CFR 75.36 - Missing Data Procedures for Heat Input
- 40 CFR 75.53 - Monitoring Plan
- 40 CFR 75.54(a) - Recordkeeping-general
- 40 CFR 75.54(b) - Recordkeeping-operating parameter
- 40 CFR 75.54(c) - Recordkeeping-SO<sub>2</sub>
- 40 CFR 75.54(d) - Recordkeeping-NO<sub>x</sub>
- 40 CFR 75.54(e) - Recordkeeping-CO<sub>2</sub>

- 40 CFR 75.54(f) - Recordkeeping-Opacity
- 40 CFR 75.55(c);(e) - Recordkeeping (Appendix D)
- 40 CFR 75.56 - Certification; QA/QC Provisions
- 40 CFR 75.60 - Reporting Requirements-General
- 40 CFR 75.61 - Reporting Requirements-Notification cert/recertification
- 40 CFR 75.63 - Reporting Requirements-Certification/Recertification
- 40 CFR 75.64(a) - Reporting Requirements-Quarterly reports; submission
- 40 CFR 75.64(b) - Reporting Requirements-Quarterly reports; DR statement
- 40 CFR 75.64(c) - Rep. Req.; Quarterly reports; Compliance Certification
- 40 CFR 75.64(d) - Rep. Req.; Quarterly reports; Electronic format
- 40 CFR 75.65 - Opacity Reports
- 40 CFR 77.3 - Offset Plans (Future)
- 40 CFR 77.5(b) - Deductions of Allowance (Future)
- 40 CFR 77.6 - Excess Emissions Penalties SO<sub>2</sub> and NO<sub>x</sub>
- Appendix A-3. - Performance Specifications
- Appendix A-4. - Data Handling and Acquisition Systems
- Appendix A-5. - Calibration Gases
- Appendix A-6. - Certification Tests and Procedures
- Appendix B - QA/QC Procedures
- Appendix C-1. - Missing Data; SO<sub>2</sub>/NO<sub>x</sub> for controlled sources
- Appendix C-2. - Missing Data; Load-Based Procedure; NO<sub>x</sub> & flow
- Appendix F - Conversion Procedures
- Appendix G-2. - Determination of CO<sub>2</sub>; from combustion sources
- Appendix H - Traceability Protocol



**ATTACHMENT AN-EU1-H8**  
**CALCULATION OF EMISSIONS**

## ATTACHMENT AN-EU1-H8

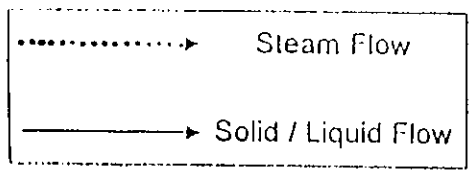
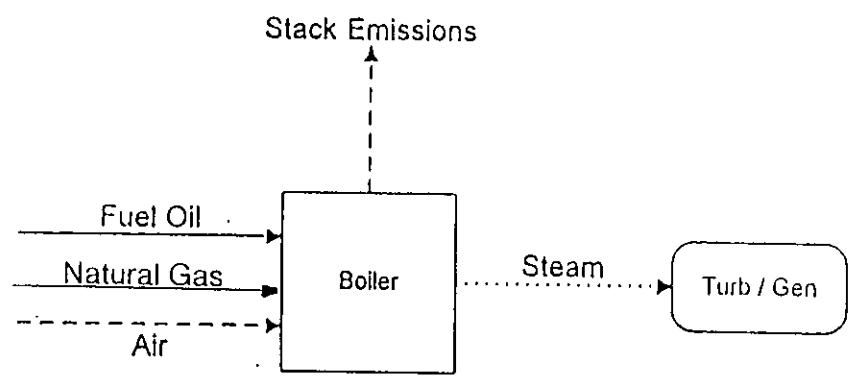
Table 1. Maximum Emissions for Emissions Limited Pollutants for Anclote Unit 1 and 2.

Pollutant	No. 6 Fuel Oil	
	Unit 1	Unit 2
Hours of Operation	8760	8760
Sulfur Dioxide (lb/hr) (Oil) = EF (lb/MMBtu) x Heat Input Rate (MMBtu/hr)		
Basis	DEP Rules	DEP Rules
EF (lb/MMBtu)	2.75	2.75
HIR (MMBtu/hr)	4964	4850
lb/hr	13651	13338
TPY	59791	58418
Particulate Matter (lb/hr) (Oil) = EF (lb/MMBtu) x Heat Input Rate (MMBtu/hr)		
TPY(normal+sootblowing) = lb/hr(normal) x 21/24 + lb/hr(sootblowing) x 3/24		
Basis (1)	DEP Rules	DEP Rules
EF (lb/MMBtu) (Oil; Sootblowing, load changing; annual)	0.3	0.3
EF (lb/MMBtu) (Oil; normal; annual)	0.1	0.1
HIR (MMBtu/hr)	4964	4850
lb/hr (normal)	496.4	485
lb/hr (sootblowing)	1489.2	1455
TPY (normal + sootblowing)	2717.8	2655.4

(1) FDEP Rule 62-296.405(1) and 62-296.800; 0.3 and 0.1 lb/MMBtu for soot-blowing and normal operations.

**ATTACHMENT AN-EU1-L1**

**PROCESS FLOW DIAGRAM**



**ATTACHMENT AN-EU1-L2**  
**FUEL ANALYSIS OR SPECIFICATION**

ATTACHMENT AN-EU1-L2

Fuel Analysis

Fuel	Density (lb/gal) <sup>a</sup>	Maximum % Weight Content			Heat Capacity
		Sulfur	Nitrogen	Ash <sup>b</sup>	
No. 1, 2 Fuel Oil	7.1	0.5	0.025 - 0.03	0.1	19,500 BTU/lb 138,000 Btu/gal
No. 3, 4 Fuel Oil	7.6	0.7	0.18	0.1	19,000 BTU/lb 144,000 Btu/gal
No. 5, 6 Fuel Oil	8.12	2.5	0.25 - 0.50	0.1	18,300 BTU/lb 152,000 BTU/gal
On-specification used oil	7.4	2.5	0.3	0.9	18,700 Btu/lb 138,000 Btu/gal

<sup>a</sup> At 60 degrees F; data from laboratory analysis

<sup>b</sup> Data from FPC procurement specification.

Source: The values are based upon information gathered by laboratory analysis and FPC's fuel purchasing specifications. However, analytical results from grab samples of fuel taken at any point in time may vary from those listed.

## Attachment AN-EU1-L2

## Fuel Analysis

## Natural Gas Analysis

<u>Parameter</u>	<u>Typical Value</u>	<u>Max Value</u>
Relative density	0.58 (compared to air)	
heat content	950 - 1124 Btu/cu ft.	
% sulfur	0.43 grains/CCF <sup>1</sup>	1 grain/100 CF
% nitrogen	0.8% by volume	
% ash	negligible	

Note: The values listed are "typical" values based upon information supplied to FPC by Florida Gas Transmission (FGT). However, analytical results from grab samples of fuel taken at any given point in time may vary from those listed.

<sup>1</sup> Data from laboratory analysis

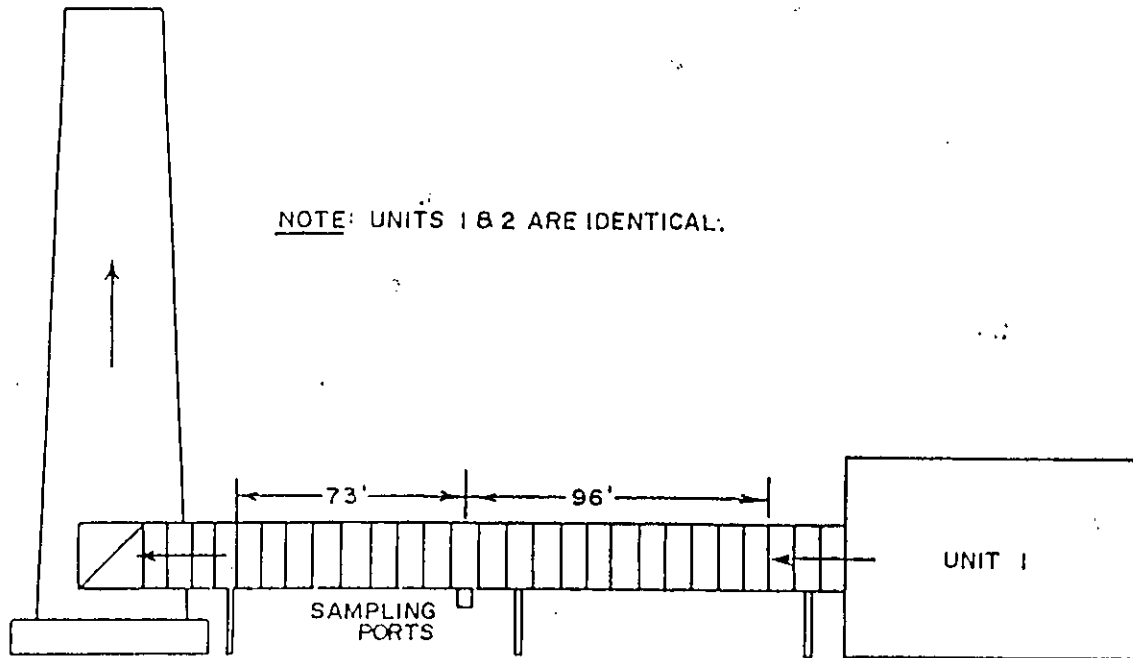
**ATTACHMENT AN-EU1-L4**  
**DESCRIPTION OF STACK SAMPLING FACILITIES**



**ATTACHMENT AN-EU1-L4**  
**DESCRIPTION OF STACK SAMPLING FACILITIES**

The Anclote Plant Steam Generator Unit No. 1 and 2 are required by Permit AO51-254492A and AO51-169340 to perform annual stack testing in accordance with standard EPA reference methods. Pursuant to FAC 62-297.345, the annual stack test required is performed with the required stack sampling facilities. A diagram depicting stack sampling facilities is presented as an attachment. As specified by rule, the permanent test facilities meet the following:

- The sampling ports have a minimum effective diameter of 3 inches.
- The location of the sampling ports meet FAC 297-345 (3)(a)(3) requirements (i.e., 2 stack diameters downstream and 0.5 stack diameters upstream of flow disturbances).
- At least two sampling ports, 90 degrees apart have been installed on the circular stack.
- The working platform is at least 24 square feet in area, at least three feet wide, extends 180 degrees around the stack, has safety rails, toeboards, and a hinged floor opening attached to it. There are no obstructions 14 inches below the port and 6 inches on either side of the port.
- The platform access ladder is equipped with a safety cage.



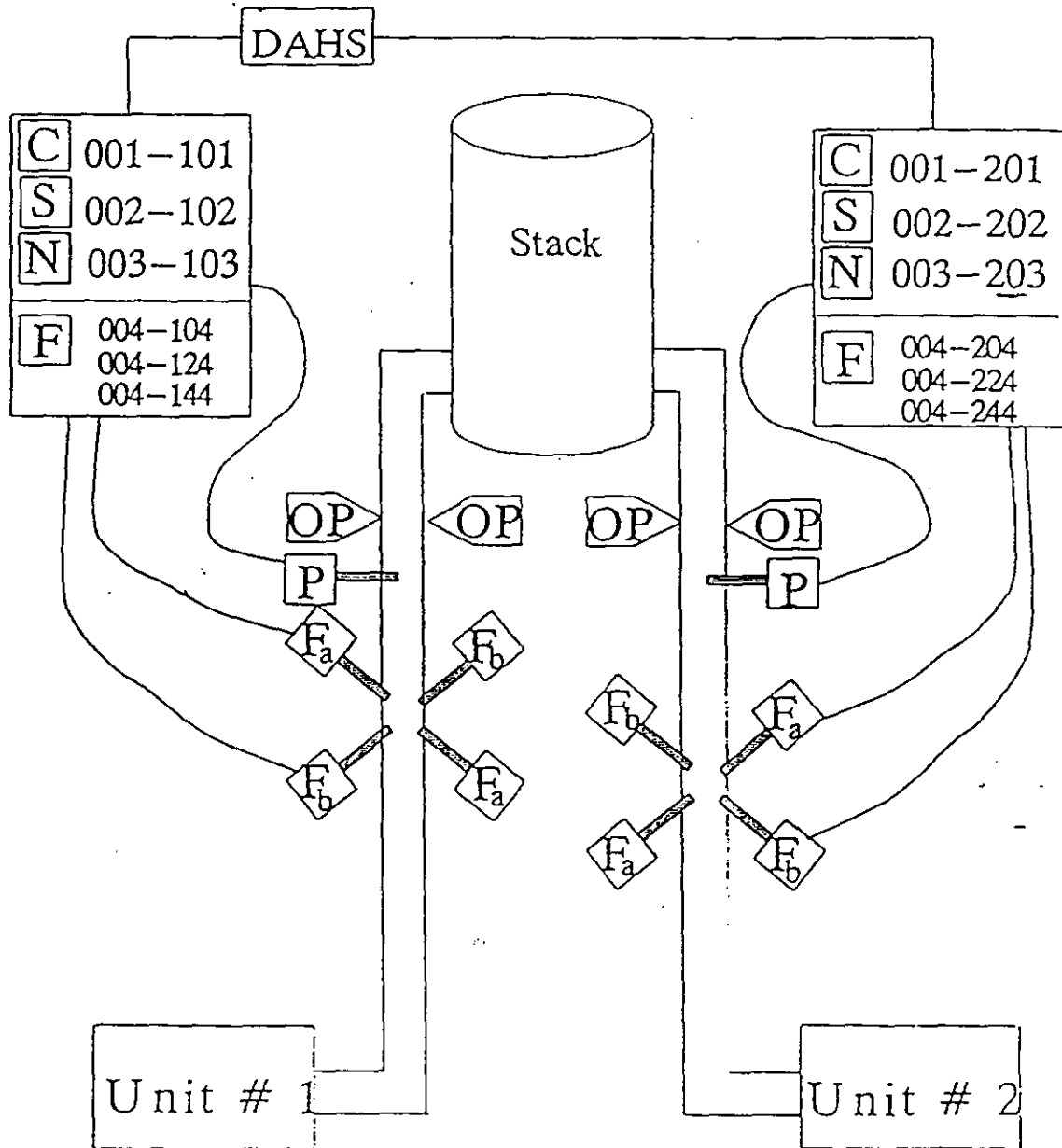
NOTE: UNITS 1 & 2 ARE IDENTICAL.

TRAVERSE POINT NUMBER	INCHES INSIDE STACK WALL
1	32.4
2	97.2
3	162.0
4	226.8
5	291.6

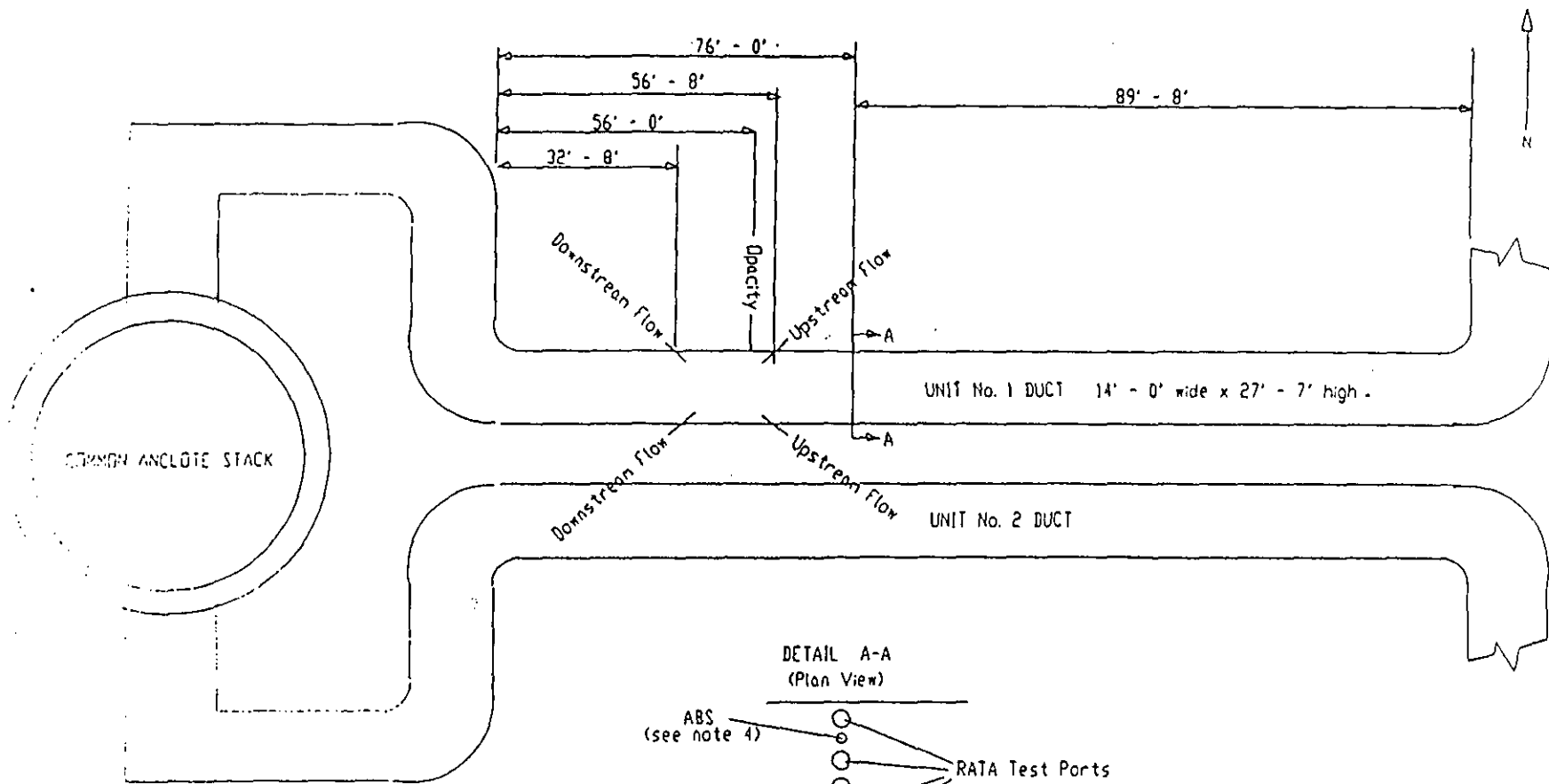
FIGURE 1.  
EXHAUST SYSTEM SCHEMATIC  
ANCLOTE PLANT UNITS 1 & 2  
FLORIDA POWER CORPORATION  
TARPON SPRINGS, FLORIDA

AIR CONSULTING  
and  
ENGINEERING

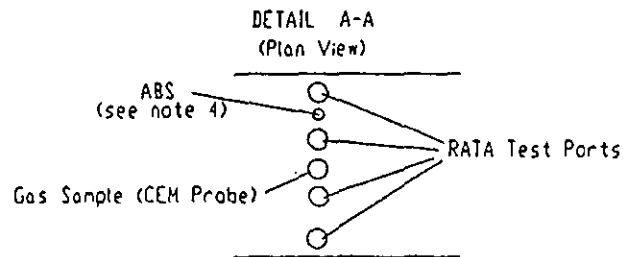
ANCLOTE Units No. 1 & 2  
Florida Power Corp., Tarpon Springs, FL  
EPA Monitoring Plan Location Information (Part 2)



ORIS code : 8048  
NADB Boiler ID : \*\*1, & \*\*2



ATTACHMENT NO. 2



NOTES

1. DUCT LINER CROSS SECTIONAL AREA AT FLOW PROBE LOCATION IS 386.2 SQ.FT.
2. EXIT OF DUCT CROSS SECTIONAL AREA IS 386.2 SQ.FT.
3. CEM MEASUREMENT POINT IS > 1.0 METER FROM THE LINER WALL.
4. ABS = ATMOSPHERIC PRESSURE PORT.

FLORIDA POWER CORPORATION ANCLOTE UNIT No. 1	
ORIS NO.	8048
NADB NO.	***1

**ATTACHMENT AN-EU1-L6**  
**PROCEDURES FOR STARTUP AND SHUTDOWN**

**ATTACHMENT AN-EU1-L6  
PROCEDURES FOR STARTUP AND SHUTDOWN  
MINIMIZING EXCESS EMISSIONS**

Startup of the fossil-fuel boilers begins when fuel (No. 2 and No. 6 fuel oil) is introduced into one or more burners within the boiler and lighted (commencement of combustion). Startup is complete and steady-state operation begins when the combustion process has stabilized and the megawatt load on the unit is stable and above 10 percent load.

Shutdown of the fossil-fuel boilers begins when unit megawatt load is decreased to below 10 percent of maximum and continues until the final burner gun is removed from service.

Emissions may be detected during all modes of boiler operation by various continuous emissions monitors. Continuous monitors are currently in place for NO<sub>x</sub>, CO<sub>2</sub>, and opacity. Audible and visual alarms are activated whenever the permitted value for opacity is approached.

Countermeasures which may be taken in the event of excess emissions include, but are not limited to:

- burner elevation loading
- proper excess air adjustments
- recognizing and removal of faulty burners
- fuel oil temperature adjustments
- proper and timely operation of boiler cleaning devices
- removal of the unit from system-dispatch mode (load control)
- reduction of unit megawatt load
- stopping and restarting of boiler cleaning devices
- lowering load ramp rate
- pressure rate changes
- placing boiler controls on manual
- adjusting burner dampers to increase windbox/furnace air pressure

Knowledge of the appropriate countermeasures to take when excess emissions occur is a part of the routine operator training for those who operate the boilers. Topics include current permit

limits, maximum allowable duration of excess emissions, appropriate countermeasures for excess emissions, duty to notify, and fuels and combustion training.

**ATTACHMENT AN-EU1-L12**

**IDENTIFICATION OF ADDITIONAL APPLICABLE REQUIREMENTS**



### ADDITIONAL APPLICABLE REQUIREMENTS

Applicable Requirements as defined in Rule 62-210.200(29) not identified in Section D of this emission unit section are included in this attachment of the application. Any air operation permit issued by the Department (or local program designee) and included in this attachment 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).

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT  
(Regulated and Unregulated Emissions Units)****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 (limit to 60 characters): <b>Oil Fired Steam Generator Unit 2</b>		
2. Emissions Unit Identification Number: <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown <b>002</b>		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Emissions Unit Comment (limit to 500 characters): <b>Tangential-fired unit</b>		

**Emissions Unit Control Equipment Information**

**A.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**B.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**C.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date:	31 Oct 1978	
2. Long-term Reserve Shutdown Date:		
3. Package Unit: Manufacturer:	Model Number:	
4. Generator Nameplate Rating:	525 MW	
5. Incinerator Information:		
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

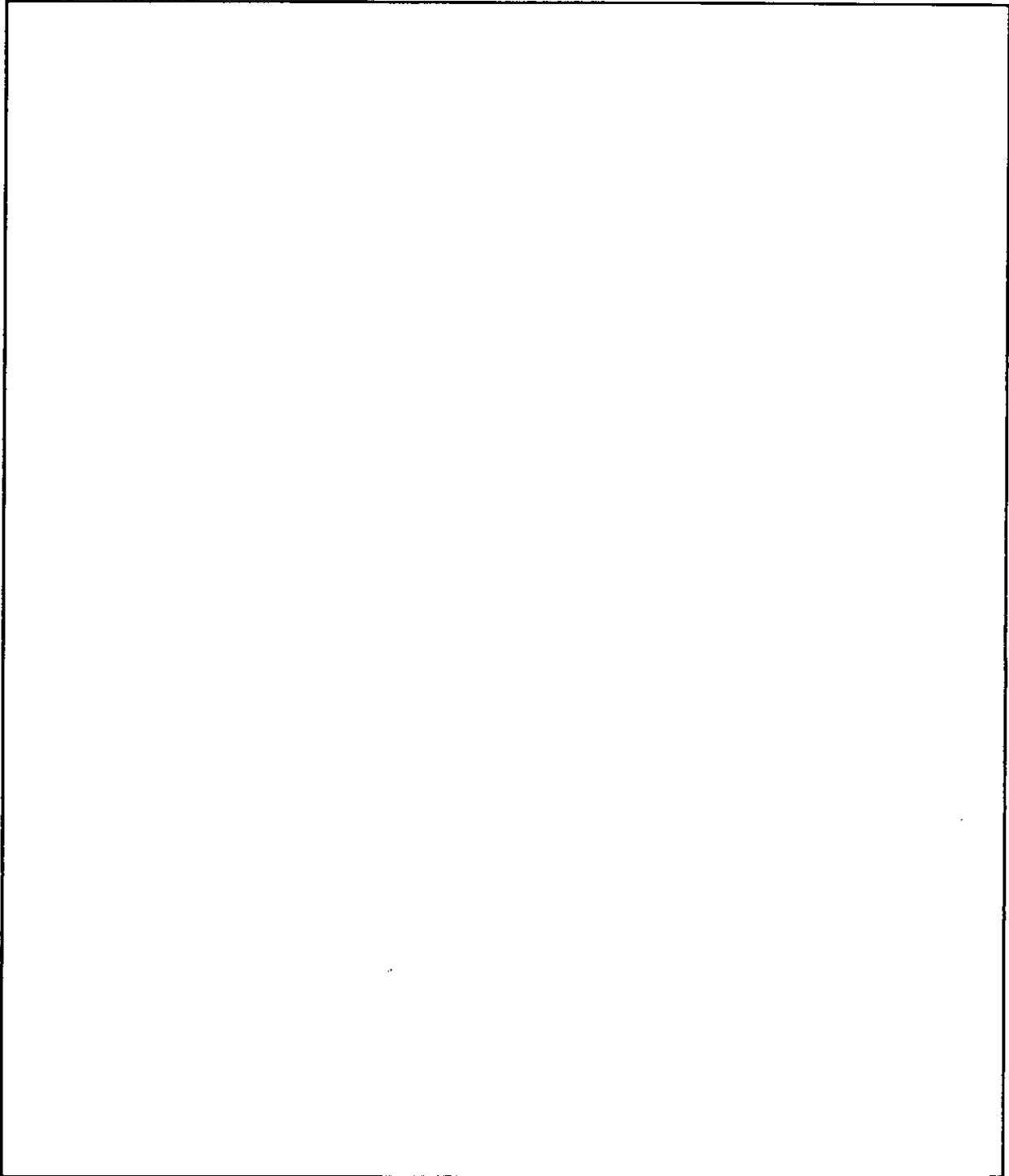
1. Maximum Heat Input Rate:	5,092	mmBtu/hr
2. Maximum Incineration Rate:	lbs/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Operating Capacity Comment (limit to 200 characters):	Gen. rating - Summer. Winter rating - 530 MW	

Emissions Unit Operating Schedule

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

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

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



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

See Attachment AN-EU2-D

**E. EMISSION POINT (STACK/VENT) INFORMATION  
(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>01</b>	
2. Emission Point Type Code:  <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Unit 1 and Unit 2 share a common stack.</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  <b>001, 002</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	<b>499</b> feet
7. Exit Diameter:	<b>24</b> feet
8. Exit Temperature:	<b>320</b> °F



9. Actual Volumetric Flow Rate:	1,692,307 acfm	
10. Percent Water Vapor:	%	
11. Maximum Dry Standard Flow Rate:	dscfm	
12. Nonstack Emission Point Height:	feet	
13. Emission Point UTM Coordinates:		
Zone: 17	East (km): 324.4	North (km): 3118.7
14. Emission Point Comment (limit to 200 characters):		

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
 (Regulated and Unregulated Emissions Units)

**Segment Description and Rate:** Segment 1 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>Ext. Comb. boiler electric generating distillate oil No. 1 and No. 2.</b>	
2. Source Classification Code (SCC):  <b>1-01-005-01</b>	
3. SCC Units: <b>Thousand Gallons Burned</b>	
4. Maximum Hourly Rate:  <b>35.15</b>	5. Maximum Annual Rate:  <b>307,870</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:  <b>0.5</b>	8. Maximum Percent Ash:  <b>0.1</b>
9. Million Btu per SCC Unit:  <b>138</b>	
10. Segment Comment (limit to 200 characters):  <b>1) No. 2 distillate oil is burned during startup and for boiler stabilization during load changes. 2) Unit is tangentially fired. 3) Heat Content - HHV.</b>	

Segment Description and Rate Segment 2 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): <b>Ext. Comb. Boiler electric generating residual oil No. 6.</b>	
2. Source Classification Code (SCC): <b>1-01-004-04</b>	
3. SCC Units: <b>Thousand Gallons Burned</b>	
4. Maximum Hourly Rate: <b>31.91</b>	5. Maximum Annual Rate: <b>279,513</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur: <b>2.5</b>	8. Maximum Percent Ash: <b>0.1</b>
9. Million Btu per SCC Unit: <b>152</b>	
10. Segment Comment (limit to 200 characters): <b>1) Unit is tangentially fired. 2) Heat Content - HHV.</b>	

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
 (Regulated and Unregulated Emissions Units)

**Segment Description and Rate:** Segment 3 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>Ext. Comb. Boiler, electric generating residual oil No. 5</b>	
2. Source Classification Code (SCC):  <b>1-01-004-06</b>	
3. SCC Units: <b>Thousand gallons burned</b>	
4. Maximum Hourly Rate:  <b>31.91</b>	5. Maximum Annual Rate:  <b>279,513</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:  <b>2.5</b>	8. Maximum Percent Ash:  <b>0.1</b>
9. Million Btu per SCC Unit:  <b>152</b>	
10. Segment Comment (limit to 200 characters):  <b>1) Unit is tangentially fired. 2) Heat content - HHV.</b>	

Segment Description and Rate: Segment 4 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): <b>Ext. Comb. Boiler, electric generating residual oil No. 4</b>	
2. Source Classification Code (SCC): <b>1-01-005-05</b>	
3. SCC Units: <b>Thousand gallons burned</b>	
4. Maximum Hourly Rate: <b>33.681</b>	5. Maximum Annual Rate: <b>295,042</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur: <b>0.7</b>	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: <b>144</b>	
10. Segment Comment (limit to 200 characters): <b>Maximum Percent Ash: 0.01. 1) Unit is tangentially-fired. 2) Heat content - HHV. 3) Also, No. 3 fuel oil.</b>	

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
 (Regulated and Unregulated Emissions Units)

**Segment Description and Rate:** Segment 5 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>On - specification used oil</b>	
2. Source Classification Code (SCC):  <b>1-01-013-02</b>	
3. SCC Units:  <b>Thousand gallons burned</b>	
4. Maximum Hourly Rate:  <b>35.15</b>	5. Maximum Annual Rate:  <b>30,787</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:  <b>2.5</b>	8. Maximum Percent Ash:  <b>0.9</b>
9. Million Btu per SCC Unit:  <b>138</b>	
10. Segment Comment (limit to 200 characters):  <b>Heat content - HHV. Limited to 10% annual heat input.</b>	



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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM			EL
PM10			NS
SO2			EL
NOX			NS
CO			NS
VOC			NS
H107			NS
H133			NS
HAPS			NS
FL			NS



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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>PM</b>		
2. Total Percent Efficiency of Control:		%
3. Potential Emissions:	<b>1,455.1</b> lb/hour	<b>2,655.4</b> tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions:		
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3    _____ to _____ tons/yr		
6. Emission Factor:		<b>0.3</b> lb/MMBtu
Reference: FDEP Rule 62-210.700		
7. Emissions Method Code:		
<input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
8. Calculation of Emissions (limit to 600 characters):		
<p><b>See Attachment AN-EU1-H8</b></p>		
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):		
<p><b>1) Potential lb/hr based on sootblowing while burning oil. 2) Potential TPY based on 0.125 lb/MMBtu (0.1 lb/MMBtu during normal 21 hrs; 0.3 lb/MMBtu during sootblowing 3 hrs) in a 24-hr period.</b></p>		

Emissions Unit Information Section 2 \_\_\_\_\_ of \_\_\_\_\_ 4  
Allowable Emissions (Pollutant identified on front page)

A.

1. Basis for Allowable Emissions Code: <b>RULE</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: <b>0.1 lb/MMBtu</b>		
4. Equivalent Allowable Emissions:	<b>485 lb/hour</b>	<b>2,124.3 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Annual compliance test, EPA Method 5 or 17</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): <b>1) Based on oil firing during normal operations. 2) Rule 62-210.700.</b>		

B.

1. Basis for Allowable Emissions Code: <b>RULE</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: <b>0.3 lb/MMBtu</b>		
4. Equivalent Allowable Emissions:	<b>1,455 lb/hour</b>	<b>796.6 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Annual compliance test, EPA Method 5 or 17</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): <b>1) Based on oil firing during sootblowing operations (3 hours in 24 hours). 2) Rule 62-210.700.</b>		

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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>SO2</b>	
2. Total Percent Efficiency of Control:	<b>0 %</b>
3. Potential Emissions:	<b>13,338 lb/hour                      58,418 tons/year</b>
4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive/Other Emissions:  <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3    _____ to _____ tons/yr	
6. Emission Factor: <b>2.75 lb/MMBtu</b>  Reference: <b>FDEP 62-296.405(1)</b>	
7. Emissions Method Code:  <input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5	
8. Calculation of Emissions (limit to 600 characters):  <b>See Attachment AN-EU1-H8</b>	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):  <b>1) Based on No. 6 oil firing.</b>	

Emissions Unit Information Section 2 of 4  
Allowable Emissions (Pollutant identified on front page)

A.

1. Basis for Allowable Emissions Code: <b>RULE</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: <b>2.75 lb/MMBtu</b>		
4. Equivalent Allowable Emissions:	<b>13,338 lb/hour</b>	<b>58,418 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Fuel Analysis during emission test.</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): <b>1) Firing No. 6 fuel oil. 2) Rule 62-296.405(1).</b>		

B.

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters):		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

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

**Visible Emissions Limitations:** Visible Emissions Limitation 1 of 4

1.	Visible Emissions Subtype: <b>VE40</b>
2.	Basis for Allowable Opacity: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions: <b>40</b> %      Exceptional Conditions:      % Maximum Period of Excess Opacity Allowed:      min/hour
4.	Method of Compliance: <b>EPA Method 9 - annual compliance test.</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>1) 40% opacity allowed by OGC File No. 86-1575 dated 12/11/86. 2) Visible emission limit at steady state. 3) Rule 62-296.405(1).</b>

**Visible Emissions Limitations:** Visible Emissions Limitation 2 of 4

1.	Visible Emissions Subtype: <b>VE60</b>
2.	Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions: <b>60</b> %      Exceptional Conditions: <b>100</b> % Maximum Period of Excess Opacity Allowed: <b>24</b> min/hour
4.	Method of Compliance: <b>EPA Method 9</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>1) 60% opacity is allowed during load changing and boiler cleaning 3 hours in a 24-hour period and unlimited opacity allowed for 4 six-minute periods during 3 hours. 2) Rule 62-210.700(3).</b>

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

**Visible Emissions Limitations:** Visible Emissions Limitation 3 of 4

1.	Visible Emissions Subtype: <b>VE</b>
2.	Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions:            %        Exceptional Conditions: <b>100</b> % Maximum Period of Excess Opacity Allowed: <b>60</b> min/hour
4.	Method of Compliance: <b>Best operational practices</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>Rule 62-210.700(1). Excess emissions allowed for 2 hr/24 hr, malfunction.</b>

**Visible Emissions Limitations:** Visible Emissions Limitation 4 of 4

1.	Visible Emissions Subtype: <b>VE</b>
2.	Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions:            %        Exceptional Conditions: <b>100</b> % Maximum Period of Excess Opacity Allowed: <b>60</b> min/hour
4.	Method of Compliance: <b>Best operational practices</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>Rule 62-210.700(2). Excess emissions for startup and shutdown.</b>

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

**Continuous Monitoring System** Continuous Monitor 1 of 5

1. Parameter Code: <b>CO2</b>	2. Pollutant(s):
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>TECO</b> Model Number: <b>41 H</b> Serial Number: <b>41 H-45741-274</b>	
5. Installation Date: <b>02 Dec 1994</b>	
6. Performance Specification Test Date: <b>02 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6</b>	

**Continuous Monitoring System** Continuous Monitor 2 of 5

1. Parameter Code: <b>EM</b>	2. Pollutant(s): <b>SO2</b>
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>TECO</b> Model Number: <b>43B</b> Serial Number: <b>43B-46127-275</b>	
5. Installation Date: <b>02 Dec 1994</b>	
6. Performance Specification Test Date: <b>02 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6.</b>	

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

**Continuous Monitoring System** Continuous Monitor 3 of 5

1. Parameter Code: <b>EM</b>	2. Pollutant(s): <b>NOX</b>
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>TECO</b> Model Number: <b>42</b> Serial Number: <b>42-45964-275K</b>	
5. Installation Date: <b>02 Dec 1994</b>	
6. Performance Specification Test Date: <b>02 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6.</b>	

**Continuous Monitoring System** Continuous Monitor 4 of 5

1. Parameter Code: <b>FLOW</b>	2. Pollutant(s):
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: <b>United Sciences</b> Model Number: <b>Ultra Flow 100</b> Serial Number: <b>9303515</b>	
5. Installation Date: <b>02 Dec 1994</b>	
6. Performance Specification Test Date: <b>02 Dec 1994</b>	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6. Second Monitor - Ser. No. 9303514.</b>	



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

**Continuous Monitoring System** Continuous Monitor  5  of  5

1. Parameter Code: <b>VE</b>	2. Pollutant(s):
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number: <b>29857</b>	
5. Installation Date: <b>02 Dec 1994</b>	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters): <b>40 CFR 72.6</b>	

**Continuous Monitoring System** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: <input type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information: Monitor Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT  
TRACKING INFORMATION  
(Regulated and Unregulated Emissions Units)**

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

- ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and the 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 the 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?

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

- The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and the source 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 the source 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 the 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	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
	SO <sub>2</sub>	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
	NO <sub>2</sub>	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
4.	Baseline Emissions:			
	PM	lb/hour		tons/year
	SO <sub>2</sub>	lb/hour		tons/year
	NO <sub>2</sub>			tons/year
5.	PSD Comment (limit to 200 characters):			
	<b>Baseline emissions not known</b>			

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION  
(Regulated Emissions Units Only)**

**Supplemental Requirements for All Applications**

1.	Process Flow Diagram	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L1</u>	<input type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
2.	Fuel Analysis or Specification	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L2</u>	<input type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
3.	Detailed Description of Control Equipment	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
4.	Description of Stack Sampling Facilities	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L4</u>	<input type="checkbox"/> Not Applicable	<input type="checkbox"/> Waiver Requested
5.	Compliance Test Report	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Previously Submitted, Date: <u>4 Aug 1995</u>	<input type="checkbox"/> Not Applicable
6.	Procedures for Startup and Shutdown	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L6</u>	<input type="checkbox"/> Not Applicable	
7.	Operation and Maintenance Plan	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	
8.	Supplemental Information for Construction Permit Application	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	
9.	Other Information Required by Rule or Statute	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable	

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

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU2-L12</u> <input type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Permit Application (Hard Copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**ATTACHMENT AN-EU2-D**  
**EMISSION UNIT REGULATIONS**

ATTACHMENT AN-EU2-D  
EMISSION UNIT REGULATIONS

Master Applicable Requirements Listing - Power Plants (5/13/96)

EMISSION UNIT: EU2: Unit 2- FPC Anclote Plant

FDEP Rules:

Air Pollution Control-General Provisions:

- 62-204.800(12) (State Only) - Acid Rain Program
- 62-204.800(13) (State Only) - Allowances
- 62-204.800(14) (State Only) - Acid Rain Program Monitoring

Stationary Sources-General:

- 62-210.700(1) - Malfunction only for FFSG
- 62-210.700(2) - FFSG; startup/shut down
- 62-210.700(3) - FFSG; sootblowing/load change
- 62-210.700(4) - maintenance
- 62-210.700(6)

Acid Rain:

- 62-214.300 - Acid Rain Units (Applicability)
- 62-214.320 - Acid Rain Units (Application Shield)
- 62-214.330 - Compliance Options (if 214.430)
- 62-214.340 - Exemptions (new units, retired units)
- 62-214.350(2);(3);(6) - Acid Rain Units (Certification)
- 62-214.370 - Acid Rain Units (Revisions; correction; potentially applicable if a need arises)
- 62-214.430 - Acid Rain Units (Compliance Options)

Stationary Sources-Emission Standards/RACT:

- 62-296.405(1)(a) - FFSG; VE
- 62-296.405(1)(b) - FFSG; PM
- 62-296.405(1)(c)1.j. - FFSG; Oil-SO<sub>2</sub> (general limit)
- 62-296.405(1)(e) - FFSG; Test Methods
- 62-296.405(1)(f)1.a.(i) - FFSG; Opacity CEMS exempted for oil/gas units
- 62-296.405(1)(f)1.b. - FFSG; SO<sub>2</sub> CEMS exempted for non-controlled units (oil/gas)

Stationary Sources-Emission Monitoring (where stack test is required):

- 62-297.310(1) - Test Runs-Mass Emission
- 62-297.310(2)(b) - Operating Rate; other than CTs
- 62-297.310(3) - Calculation of Emission
- 62-297.310(4)(a) - Applicable Test Procedures; Sampling time
- 62-297.310(4)(b) - Sample Volume
- 62-297.310(4)(c) - Required Flow Rate Range-PM/H<sub>2</sub>SO<sub>4</sub>/F

- 62-297.310(4)(d) - Calibration
- 62-297.310(4)(e) - EPA Method 5-only
- 62-297.310(5) - Determination of Process Variables
- 62-297.310(6)(a) - Permanent Test Facilities-general
- 62-297.310(6)(c) - Sampling Ports
- 62-297.310(6)(d) - Work Platforms
- 62-297.310(6)(e) - Access
- 62-297.310(6)(f) - Electrical Power
- 62-297.310(6)(g) - Equipment Support
- 62-297.310(7)(a)2. - FFSG excess emissions
- 62-297.310(7)(a)3. - Permit Renewal Test Required
- 62-297.310(7)(a)4. - PM exemption if < 400 hrs/yr
- 62-297.310(7)(a)5. - FDEP Notification - 15 days
- 62-297.310(7)(a)9. - Waiver of Comp. Tests (Fuel Sampling)
- 62-297.310(7)(c) - Test Reports
- 62-297.310(8)

**Federal Rules:**

**Acid Rain-Permits:**

- 40 CFR 72.9(a) - Permit Requirements
- 40 CFR 72.9(b) - Monitoring Requirements
- 40 CFR 72.9(c)(1) - SO2 Allowances-hold allowances
- 40 CFR 72.9(c)(2) - SO2 Allowances-violation
- 40 CFR 72.9(c)(3)(iii) - SO2 Allowances-Phase II Units (listed)
- 40 CFR 72.9(c)(4) - SO2 Allowances-allowances held in ATS
- 40 CFR 72.9(c)(5) - SO2 Allowances-no deduction for 72.9(c)(1)(i)
- 40 CFR 72.9(e) - Excess Emission Requirements
- 40 CFR 72.9(f) - Recordkeeping and Reporting
- 40 CFR 72.9(g) - Liability
- 40 CFR 72.20(a) - Designated Representative; required
- 40 CFR 72.20(b) - Designated Representative; legally binding
- 40 CFR 72.20(c) - Designated Representative; certification requirements
- 40 CFR 72.21 - Submissions
- 40 CFR 72.22 - Alternate Designated Representative
- 40 CFR 72.23 - Changing representatives; owners
- 40 CFR 72.30(a) - Requirements to Apply (operate)
- 40 CFR 72.30(c) - Requirements to Apply (reapply before expiration)
- 40 CFR 72.30(d) - Requirements to Apply (submittal requirements)
- 40 CFR 72.32 - Application Shield
- 40 CFR 72.33(b) - Dispatch System ID;unit/system ID
- 40 CFR 72.33(c) - Dispatch System ID;ID requirements
- 40 CFR 72.33(d) - Dispatch System ID;ID change
- 40 CFR 72.40(a) - General; compliance plan
- 40 CFR 72.40(b) - General; multi-unit compliance options
- 40 CFR 72.40(c) - General; conditional approval
- 40 CFR 72.40(d) - General; termination of compliance options
- 40 CFR 72.51 - Permit Shield



- 40 CFR 72.90 - Annual Compliance Certification
  
- Monitoring Part 75:
- 40 CFR 75.4 - Compliance Dates
- 40 CFR 75.5 - Prohibitions
- 40 CFR 75.10(a)(1) - Primary Measurement; SO<sub>2</sub>; except 75.11&.16; Subpart D
- 40 CFR 75.10(a)(2) - Primary Measurement; NO<sub>x</sub>; except 75.12&.17; Subpart E
- 40 CFR 75.10(a)(3)(i) - Primary Measurement; CO<sub>2</sub>; monitor
- 40 CFR 75.10(a)(4) - Primary Measurement; Opacity; except 75.14&.18
  
- 40 CFR 75.10(b) - Primary Measurement; Performance Requirements
- 40 CFR 75.10(c) - Primary Measurement; Heat Input; Appendix F
- 40 CFR 75.10(d) - Primary Measurement; Hourly Operating ; Opacity; SO<sub>2</sub>
- 40 CFR 75.10(f) - Primary Measurement; Minimum Measurement
- 40 CFR 75.10(g) - Primary Measurement; Minimum Recording
- 40 CFR 75.11(d) - SO<sub>2</sub> Monitoring; Gas- and Oil-fired units
- 40 CFR 75.11(e) - SO<sub>2</sub> Monitoring Gaseous Firing
- 40 CFR 75.12(b) - NO<sub>x</sub> Monitoring; Determination of NO<sub>x</sub> emission rate; Appendix F
  
- 40 CFR 75.13(a) - CO<sub>2</sub> Monitoring; Continuous monitor
- 40 CFR 75.14(a) - Opacity Monitoring; Coal and oil units
- 40 CFR 75.20(a)(5) - Initial Certification Approval Process; Loss of Certification
- 40 CFR 75.20(b) - Recertification Procedures
- 40 CFR 75.20(c) - Certification Procedures
- 40 CFR 75.20(g) - Exceptions to CEMS; oil/gas/diesel; Addendix D & E
- 40 CFR 75.21 - QA/QC; CEMS
- 40 CFR 75.21(b) - QA/QC; Opacity
- 40 CFR 75.21(c) - QA/QC; Calibration Gases
- 40 CFR 75.21(d) - QA/QC; Notice of RATA
- 40 CFR 75.21(e) - QA/QC; Audits
- 40 CFR 75.21(f) - QA/QC; CEMS
- 40 CFR 75.22 - Reference Methods
- 40 CFR 75.24 - Out-of-Control Periods; CEMS
- 40 CFR 75.30(a)(1) - General Missing Data Procedures; SO<sub>2</sub>
- 40 CFR 75.30(a)(2) - General Missing Data Procedures; flow
- 40 CFR 75.30(a)(3) - General Missing Data Procedures; NO<sub>x</sub>
- 40 CFR 75.30(a)(4) - General Missing Data Procedures; CO<sub>2</sub>
- 40 CFR 75.30(d) - General Missing Data Procedures; SO<sub>2</sub>
- 40 CFR 75.32 - Monitoring Data Availability for Missing Data
- 40 CFR 75.33 - Standard Missing Data Procedures
- 40 CFR 73.35 - Missing Data Procedures for CO<sub>2</sub> Data
- 40 CFR 75.36 - Missing Data Procedures for Heat Input
- 40 CFR 75.53 - Monitoring Plan
- 40 CFR 75.54(a) - Recordkeeping-general
- 40 CFR 75.54(b) - Recordkeeping-operating parameter
- 40 CFR 75.54(c) - Recordkeeping-SO<sub>2</sub>
- 40 CFR 75.54(d) - Recordkeeping-NO<sub>x</sub>
- 40 CFR 75.54(e) - Recordkeeping-CO<sub>2</sub>

- 40 CFR 75.54(f) - Recordkeeping-Opacity
- 40 CFR 75.55(c):(e) - Recordkeeping (Appendix D)
- 40 CFR 75.56 - Certification; QA/QC Provisions
- 40 CFR 75.60 - Reporting Requirements-General
- 40 CFR 75.61 - Reporting Requirements-Notification cert/recertification
- 40 CFR 75.63 - Reporting Requirements-Certification/Recertification
- 40 CFR 75.64(a) - Reporting Requirements-Quarterly reports; submission
- 40 CFR 75.64(b) - Reporting Requirements-Quarterly reports; DR statement
- 40 CFR 75.64(c) - Rep. Req.; Quarterly reports; Compliance Certification
- 40 CFR 75.64(d) - Rep. Req.; Quarterly reports; Electronic format
- 40 CFR 75.65 - Opacity Reports
- 40 CFR 77.3 - Offset Plans (Future)
- 40 CFR 77.5(b) - Deductions of Allowance (Future)
- 40 CFR 77.6 - Excess Emissions Penalties SO<sub>2</sub> and NO<sub>x</sub>
- Appendix A-3. - Performance Specifications
- Appendix A-4. - Data Handling and Acquisition Systems
- Appendix A-5. - Calibration Gases
- Appendix A-6. - Certification Tests and Procedures
- Appendix B - QA/QC Procedures
- Appendix C-1. - Missing Data; SO<sub>2</sub>/NO<sub>x</sub> for controlled sources
- Appendix C-2. - Missing Data; Load-Based Procedure; NO<sub>x</sub> & flow
- Appendix F - Conversion Procedures
- Appendix G-2. - Determination of CO<sub>2</sub>; from combustion sources
- Appendix H - Traceability Protocol

**ATTACHMENT AN-EU2-L12**

**IDENTIFICATION OF ADDITIONAL APPLICABLE REQUIREMENTS**

### **ADDITIONAL APPLICABLE REQUIREMENTS**

Applicable Requirements as defined in Rule 62-210.200(29) not identified in Section D of this emission unit section are included in this attachment of the application. Any air operation permit issued by the Department (or local program designee) and included in this attachment 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).

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

[ **x** ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

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

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

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

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

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): <b>Facility-wide Fugitive/De minimis Emissions</b>		
2. Emissions Unit Identification Number: <input checked="" type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Emissions Unit Comment (limit to 500 characters): <b>See Attachment AN-EU3-B6.</b>		

**Emissions Unit Control Equipment Information**

**A.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**B.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**C.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
**(Regulated and Unregulated Emissions Units)**

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

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>Petroleum Product Storage - Fugitive Emissions (storage).</b>	
2. Source Classification Code (SCC):  <b>4-03-888-01</b>	
3. SCC Units:  <b>Thousand gallons stored</b>	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:  <b>21,500</b>	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):  <b>Segment refers to combined storage capacity of various petroleum product storage tanks contained in emission unit at time permit appl. submittal. See Attachment AN-EU3-B6 for list.</b>	



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

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): <b>Petroleum Product Storage - Fugitive Emissions (Throughput)</b>	
2. Source Classification Code (SCC): <b>4-03-999-99</b>	
3. SCC Units: <b>Thousand gallons throughput</b>	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor: <b>581,300</b>	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): <b>Segment refers to combined throughput of various petroleum product storage tanks contained in emission unit at time permit appl. submittal. See Attachment AN-EU3-B6 for list.</b>	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT  
TRACKING INFORMATION  
(Regulated and Unregulated Emissions Units)**

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

- ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and the 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 the 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?

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

- The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and the source 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 the source 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 the 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	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
	SO <sub>2</sub>	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
	NO <sub>2</sub>	<input type="checkbox"/> C	<input type="checkbox"/> E	<input checked="" type="checkbox"/> Unknown
4.	Baseline Emissions:			
	PM	lb/hour		tons/year
	SO <sub>2</sub>	lb/hour		tons/year
	NO <sub>2</sub>			tons/year
5.	PSD Comment (limit to 200 characters):			
	<b>Baseline emissions not known.</b>			

**ATTACHMENT AN-EU3-B6**  
**EMISSIONS UNIT COMMENT**

### **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's (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 below 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.

Attachment AN-EU3-B6  
General Emissions Unit Information for Unregulated Emissions Unit

Table 1. FPC, Anclote Plant, Unregulated Emissions Unit

Area	Emission Unit Description	Status
Machine shop	Sand blaster, drill press, lathes, hand-held tools, etc.	ER/TR
	Parts washer- light oil	TR
General Boiler Building-	Fuel oil tank- oil additives	TR
	Lube oil system (1/unit)- vent to roof	TR
	Boiler chemicals (e.g., degreasers, etc.)	TR
	Machine shop Sand blaster, drill press, welding, lathes, hand-held tools, etc.	TR
	Parts washer- citrus based	TR
	I & C shop parts washer- safety kleen	TR
	Electric shop drill press, grinding equipment, lathes, hand-held tools, etc.	TR
	Labor room Sand blaster	TR
Unit 1, 2 Building	Turbine lube oil reservoir tank	TR
	Waste oil sump and recovery tank	TR
	Oil gun cleaning station (No. 2 oil used)	TR
Water Treatment	Sulfuric acid tank	TR
Lube oil storage building	lube oil	TR
Fuel oil pump house	fuel filter cleaning (No. 2 oil- open tank)	TR
Fire pump	No. 6 fuel oil pump	ER/TR
	No. 2 fuel oil pump	
General area-west	No. 2 diesel oil 200 gal. tank	UR
No. 2 Warehouse	Sand blaster, drill press, welding, lathes, hand-held tools, etc.	ER/TR
	Parts cleaning- citrus based	TR
	Waste oil storage tank	TR
	I & C shop parts washer- safety kleen	TR

Attachment AN-EU3-B6  
General Emissions Unit Information for Unregulated Emissions Unit

Table 1. FPC, Anclote Plant, Unregulated Emissions Unit

Area	Emission Unit Description	Status
	sand blasting system	
	Electric shop cutting and grinding equipment	TR
Garage area	mobile equipment front-end loader, boat, crane, etc.	ER/TR
No. 1 Warehouse	Vapor extractor- former underground gas tank	TR
Helper Cooling Tower Area	Natural-draft helper cooling towers	UR
	Storage area chlorine use SO <sub>2</sub> from cyclinders for dechlorination	TR
Diesel generator (north of admin. build.)	1 MW diesel generator- emergency blackstart located in stationary railcar, No. 2 oil pipe in	UR
Fire pump	No. 2 diesel oil tank	ER/TR
Water Treatment	Sulfuric acid tank	TR
Fuel Storage	Tank No. 1- No. 6 Fuel Oil (280,000 bbbs)	UR
	Tank No. 2- No. 6 Fuel Oil (280,000 bbbs)	UR
General Site	Oil water separators	TR
Parking Lot	Vehicles	ER/TR

Status Key: TR = Trivial; ER = Exempt by Rule 62-210.300(3)(a); UR = Unregulated



Attachment AN-EU3-B6  
General Emissions Unit Information

Table 2. FPC, Anclote Plant, Petroleum Product Storage and Throughput Operations

FPC Tank No.	Storage Product	Storage Tank Size (gallons)	Potential Annual Throughput (gallons)
#01	Turbine lube oil	16,000	32,000
#03	No. 2 fuel oil	211,680	4,000,000
#04	No. 2 fuel oil	211,680	4,000,000
#05	No. 6 fuel oil	10,512,306	286,568,800
#06	No. 6 fuel oil	10,536,792	286,568,800
#12	Diesel- equipment	168	2,400
#13-R	Fuel oil additive	173	60,000
#14	Unleaded gas	4,000	18,000
#22	Diesel- equipment (Train car- emergency gen.)	420	10,000
	TOTAL	21,493,219	581,260,000

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT  
(Regulated and Unregulated Emissions Units)****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 (limit to 60 characters): <b>3 820 kW Diesel Generators (Relocatable)</b>		
2. Emissions Unit Identification Number: <input type="checkbox"/> No Corresponding ID <input checked="" type="checkbox"/> Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Emissions Unit Major Group SIC Code: <b>49</b>
6. Emissions Unit Comment (limit to 500 characters): <b>Generators may be located at one of seven FPC plants.</b>		

**Emissions Unit Control Equipment Information**

**A.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**B.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**C.**

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

**Emissions Unit Details**

1. Initial Startup Date:		
2. Long-term Reserve Shutdown Date:		
3. Package Unit: Manufacturer: <b>Caterpillar</b>	Model Number: <b>3508-DITA</b>	
4. Generator Nameplate Rating:	MW	
5. Incinerator Information:		
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

**Emissions Unit Operating Capacity**

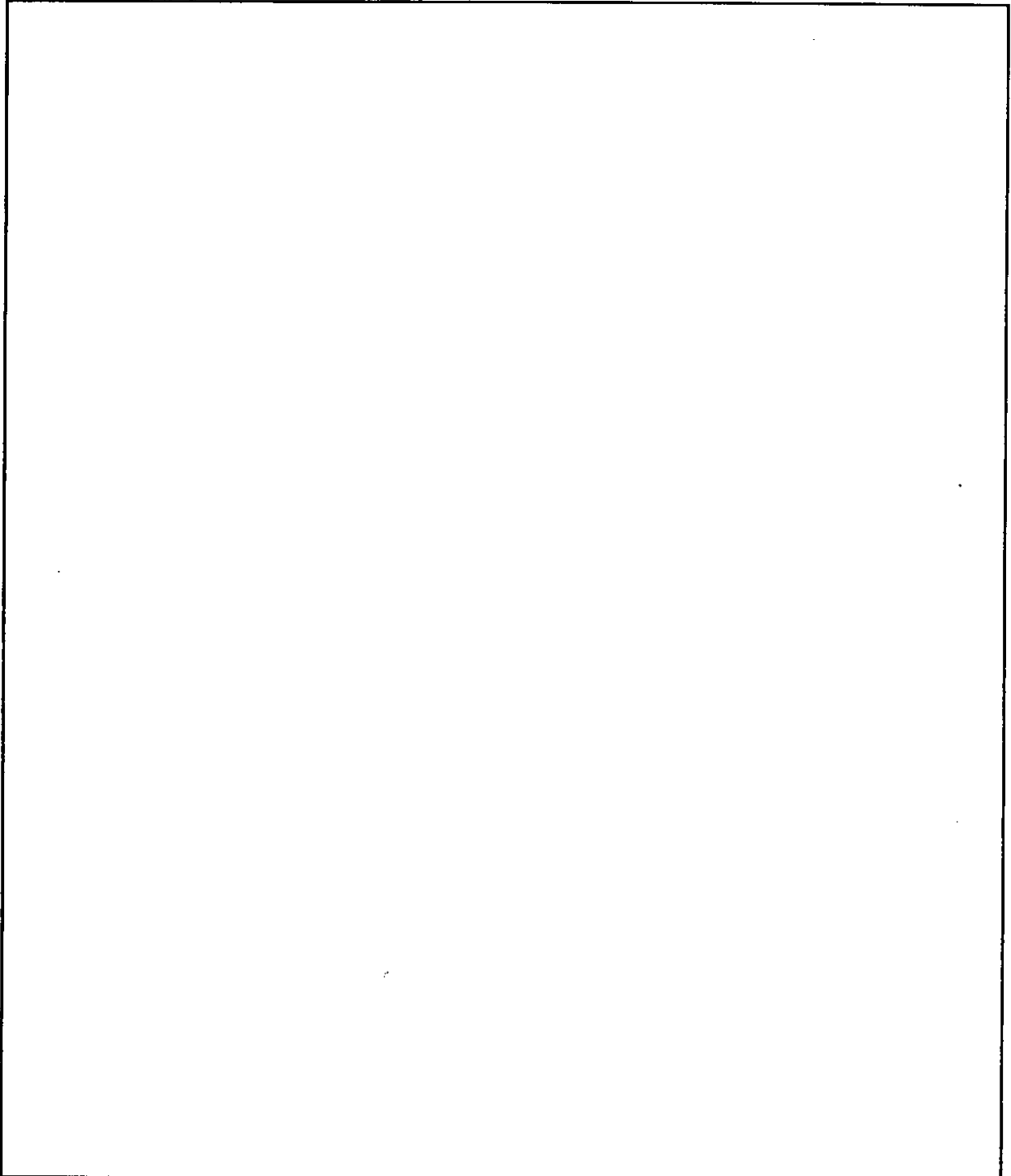
1. Maximum Heat Input Rate:	<b>9</b>	mmBtu/hr
2. Maximum Incineration Rate:	lbs/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Operating Capacity Comment (limit to 200 characters):		
<p><b>Maximum Heat Input: 8.58(rounded to 9). Per unit; hours of operation is sum of individual hours of each generator. Generator Nameplate Rating: 0.82.</b></p>		

**Emissions Unit Operating Schedule**

1. Requested Maximum Operating Schedule:		
	hours/day	days/week
	weeks/yr	<b>2,970</b> hours/yr

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

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



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

See Attachment AN-EU4-D

**E. EMISSION POINT (STACK/VENT) INFORMATION  
(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:	
2. Emission Point Type Code:	
<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:	
5. Discharge Type Code:	
<input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P	
<input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	15 feet
7. Exit Diameter:	1 feet
8. Exit Temperature:	1,004 °F



9. Actual Volumetric Flow Rate:	7,283 acfm
10. Percent Water Vapor:	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates:	
Zone:	East (km):                      North (km):
14. Emission Point Comment (limit to 200 characters):	

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
**(Regulated and Unregulated Emissions Units)**

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

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>Internal combustion engine, industrial, distillate oil(diesel)</b>	
2. Source Classification Code (SCC):  <b>2-02-001-02</b>	
3. SCC Units:  <b>Thousand gallons burned</b>	
4. Maximum Hourly Rate:  <b>62.1</b>	5. Maximum Annual Rate:  <b>184</b>
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:  <b>0.5</b>	8. Maximum Percent Ash:  <b>0</b>
9. Million Btu per SCC Unit:  <b>138</b>	
10. Segment Comment (limit to 200 characters):  <b>Max annual rate based on total for 3 units(2,970 hours). Maximum Percent Ash: 0.01(rounded to 0). Million Btu per SCC Unit: 138.24(rounded to 138).</b>	

**Segment Description and Rate:** Segment \_\_\_\_\_ of \_\_\_\_\_

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
SO2			EL
NOX			NS
CO			NS

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

1. Pollutant Emitted: <b>SO<sub>2</sub></b>		
2. Total Percent Efficiency of Control:		%
3. Potential Emissions:	<b>4.47</b> lb/hour	<b>6.64</b> tons/year
4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions:		
[ <input type="checkbox"/> ] 1    [ <input type="checkbox"/> ] 2    [ <input type="checkbox"/> ] 3    _____ to _____ tons/yr		
6. Emission Factor:	<b>0.5 %Sulfur content</b>	
Reference: <b>Permit Limit</b>		
7. Emissions Method Code:		
[ <input type="checkbox"/> ] 0    [ <input type="checkbox"/> ] 1    [ <input type="checkbox"/> ] 2    [ <input type="checkbox"/> ] 3    [ <input type="checkbox"/> ] 4    [ <input checked="" type="checkbox"/> ] 5		
8. Calculation of Emissions (limit to 600 characters):		
<b>From manufacturer</b>		
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):		
<b>Lb/hr - 1 unit; Tons/yr - 1 unit at 2,970 hours (total limit for 3 units).</b>		

Emissions Unit Information Section 4 of 4  
Allowable Emissions (Pollutant identified on front page)

A.

1. Basis for Allowable Emissions Code: <b>OTHER</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: <b>0.5 %Sulfur Content</b>		
4. Equivalent Allowable Emissions:	<b>4.47</b> lb/hour	<b>6.64</b> tons/year
5. Method of Compliance (limit to 60 characters): <b>Fuel Analysis</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): <b>Permit Limit.</b>		

B.

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters):		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

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

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

1.	Visible Emissions Subtype: <b>VE20</b>
2.	Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions: <b>20</b> %      Exceptional Conditions:      % Maximum Period of Excess Opacity Allowed:      min/hour
4.	Method of Compliance: <b>EPA Method 9, Annual</b>
5.	Visible Emissions Comment (limit to 200 characters): <b>Rule 62-296.320(4)(b)1.</b>

**Visible Emissions Limitations:** Visible Emissions Limitation \_\_\_\_ of \_\_\_\_

1.	Visible Emissions Subtype:
2.	Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3.	Requested Allowable Opacity Normal Conditions:      %      Exceptional Conditions:      % Maximum Period of Excess Opacity Allowed:      min/hour
4.	Method of Compliance:
5.	Visible Emissions Comment (limit to 200 characters):

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

**Continuous Monitoring System** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Monitor Manufacturer: Model Number:	Serial Number:
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**Continuous Monitoring System** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Monitor Manufacturer: Model Number:	Serial Number:
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	



**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT  
TRACKING INFORMATION  
(Regulated and Unregulated Emissions Units)**

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

- ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
- ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and the 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 the 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?

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

- The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and the source 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 the source 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 the 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	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
	SO <sub>2</sub>	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
	NO <sub>2</sub>	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4.	Baseline Emissions:			
	PM	lb/hour		tons/year
	SO <sub>2</sub>	lb/hour		tons/year
	NO <sub>2</sub>			tons/year
5.	PSD Comment (limit to 200 characters):			

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION  
(Regulated Emissions Units Only)**

**Supplemental Requirements for All Applications**

1.	Process Flow Diagram	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU4-L1</u>	<input type="checkbox"/> Waiver Requested
		<input type="checkbox"/> Not Applicable	
2.	Fuel Analysis or Specification	<input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU1-L2</u>	<input type="checkbox"/> Waiver Requested
		<input type="checkbox"/> Not Applicable	
3.	Detailed Description of Control Equipment	<input type="checkbox"/> Attached, Document ID: _____	<input type="checkbox"/> Waiver Requested
		<input checked="" type="checkbox"/> Not Applicable	
4.	Description of Stack Sampling Facilities	<input type="checkbox"/> Attached, Document ID: _____	<input type="checkbox"/> Waiver Requested
		<input checked="" type="checkbox"/> Not Applicable	
5.	Compliance Test Report	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable
		<input type="checkbox"/> Previously Submitted, Date: _____	
6.	Procedures for Startup and Shutdown	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable
7.	Operation and Maintenance Plan	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable
8.	Supplemental Information for Construction Permit Application	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable
9.	Other Information Required by Rule or Statute	<input type="checkbox"/> Attached, Document ID: _____	<input checked="" type="checkbox"/> Not Applicable

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

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>AN-EU4-L12</u> <input type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Permit Application (Hard Copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**ATTACHMENT AN-EU4-D**  
**EMISSION UNIT REGULATIONS**

**ATTACHMENT AN-EU4-D****EMISSION UNIT REGULATIONS**

Applicable Requirements Listing - Power Plants Non-Acid/NSPS Rain Units

EMISSION UNIT ID: EU4: Unit 4- FPC Anclote Plant

**FDEP Rules:**

**Stationary Sources-General:**

- 62-210.700(1) - Excess Emissions (startup/shutdown/malfunction)
- 62-210.700(4) - Poor Maintenance
- 62-210.700(6) - Notification

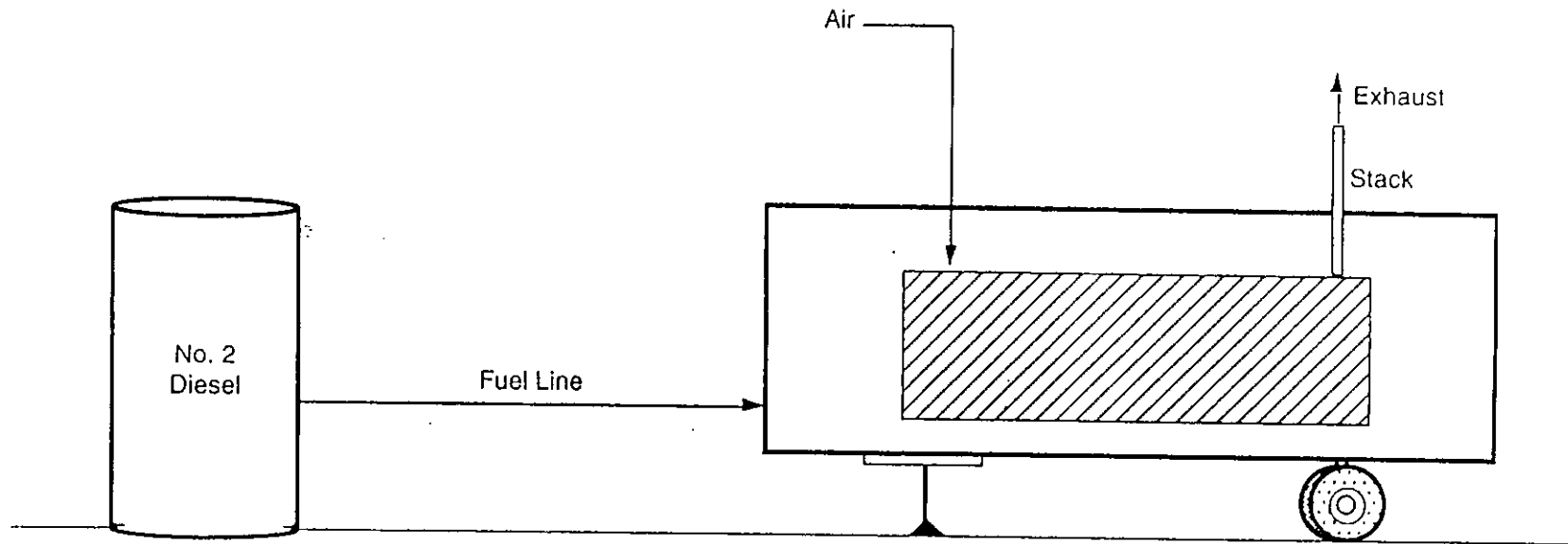
**Stationary Sources-Emission Standards/RACT:**

- 62-296.320(4)(b) - General VE Standard

**Stationary Sources-Emission Monitoring:**

- 62-297.310(2)(a) - Operating Rate; reserved for CTs
- 62-297.310(4)(a)2. - Applicable Test Procedures; Sampling time
- 62-297.310(5) - Determination of Process Variables
- 62-297.310(7)(a)3. - Permit Renewal Test Required
- 62-297.310(7)(a)4.
- 62-297.310(7)(a)9. - FDEP Notification - 15 days
- 62-297.310(8) - Test Reports

**ATTACHMENT AN-EU4-L1**  
**PROCESS FLOW DIAGRAM**



Caterpillar Model 3508-DITA, 820 kW, 1220 hp at 1,800 rpm

Attachment AN-EU4-L1  
Flow Diagram of Diesel Engine/Generator Set







## News Release

Media Contact:  
Melodye Hendrix  
813/866-4282

Florida Gas Transmission (FGT)  
Elaine Thomas  
713/853-6814

### **Florida Power Corporation's Partial Conversion Of Plant To Natural Gas To Save Customers Money**

**St. Petersburg, FL (November 13, 1997)** -- Florida Power Corporation announced today that it will partially convert two generating units at its Anclote power plant near Tarpon Springs to burn natural gas. This is expected to save customers from \$1 million to \$2 million annually in fuel expenses. The conversion project is part of Florida Power's commitment to provide competitively priced electricity to its customers.

One unit of the Anclote Plant will be capable of burning natural gas by fall of 1998. The second unit will be completed by spring of 1999. The units will be converted consecutively so that both are not out of operation at the same time. The two units have a capacity of generating a total of 1,050 megawatts.

The dual capability of burning natural gas or fuel oil allows Florida Power the flexibility of selecting the most competitively-priced fuel and taking advantage of the environmental aspects of the clean-burning natural gas. Florida Power currently has 20 generating units capable of burning natural gas.

Florida Gas Transmission (FGT) will install, own and operate a 22-mile connecting pipeline to deliver natural gas to the plant. Construction, for the most part using existing Florida Power right of way, is expected to begin in July, 1998 and to be completed in 90 days. The pipeline to the Anclote Plant will connect with FGT's existing pipeline near State Road 52 in Pasco County.

Florida Power Corporation and FGT will jointly sponsor an educational forum about the conversion project during the first week of December. Details about the forum will be announced later this month.

Florida Power Corporation is the primary subsidiary of St. Petersburg-based Florida Progress Corporation (NYSE:FPC) and serves 1.3 million customers in central and northern Florida.

Florida Gas Transmission Company is a wholly owned subsidiary of Citrus Corp. which is jointly owned 50 percent by an Enron Corp. subsidiary and 50 percent by Sonat Inc.

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