

**FLORIDA's Electronic Notification Cover Memorandum**

*Carla E. Riecke*

**TO:** ~~Gracy R. Daneis~~, U.S. EPA Region IV

**THRU:** Scott Sheplak, P.E., FDEP/DARM/BAR *smb*

**FROM:** Charles S. Logan *CSL*

**DATE:** June 24, 1997

**RE:** U.S. EPA Region IV Title V Operation Permit Review

Pursuant to EPA Region IV's 1996 comprehensive Title V operation permit review strategy contained in the Florida/EPA Implementation Agreement, the following Title V operation permit(s) and associated documents are made available for your review/comment prior to issuance.

| <u>Applicant Name</u>                  | <u>County</u> | <u>Method of Transmittal</u> | <u>Electronic File Name(s)</u> |
|--|---------------|------------------------------|--------------------------------|
| Florida Power Corp.<br>Avon Park Plant | Highlands     | INTERNET                     | 0550003p.zip                   |

This zipped file contains the following electronic files:

0550003p.doc  
05500033.doc  
05500034.doc  
0550003h.doc



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

June 23, 1997

Ms. Carla E. Pierce  
U.S. EPA, Region IV  
61 Forsyth Street  
Atlanta, GA 30303

Re: PROPOSED Title V Permit No.: 0550003-001-AV  
Florida Power Corporation  
Avon Park Plant

Dear Ms. Pierce:

One copy of the "PROPOSED PERMIT DETERMINATION" for the Florida Power Corporation's Avon Park Plant located at 1415 South Highlands Avenue, Avon Park, Highlands County, is enclosed.

Please submit any written comments on the PROPOSED Title V Air Operation Permit within 45 (forty five) days of the receipt of this letter to Scott M. Sheplak, P.E., at the above letterhead address.

If you have any other questions, please contact Mr. Charles S. Logan at 904/488-1344.

Sincerely,

A handwritten signature in cursive script, appearing to read "C. H. Fancy".

C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/l

Enclosures

copy furnished to:  
Mr. W. Jeffery Pardue, C.E.P., Florida Power Corporation  
Mr. Kennard F. Kosky, P.E., Golder Associates, Inc.  
Mr. David Knowles, FDEP/SD

## PROPOSED PERMIT DETERMINATION

PROPOSED Permit No.: 0550003-001-AV

Page 1 of 3

### **I. Public Notice.**

An "INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" to Florida Power Corporation for the Avon Park Plant located at 1415 South Highlands Avenue, Avon Park, Highlands County was clerked on [Month day, year]. The "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" was published in the Sebring News-Sun on May 7, 1997. The DRAFT Title V Air Operation Permit was available for public inspection at the South District office in Fort Myers and the permitting authority's office in Tallahassee. Proof of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" was received on June 9, 1997.

### **II. Public Comment(s).**

Comments were received and the DRAFT Title V Operation Permit was changed. The comments were not considered significant enough to reissue the DRAFT Title V Permit and require another Public Notice. Comments were received from one respondent during the 30 (thirty) day public comment period. Listed below is each comment letter in the chronological order of receipt and a response to each comment in the order that the comment was received. The comment(s) will not be restated. Where duplicative comments exist, the original response is referenced.]

A. Letter from Mr. W. Jeffrey Pardue dated May 29, 1997, and received on May 30, 1997.

#### **1. Comment #1, Appendix TV-1, Title V Conditions:**

Response: Appendix TV-1 are generic conditions to simplify the permitting process and have already been evaluated for federal enforceability. Therefore, no change will be made.

#### **2. Comment #1, Section I, Subsection A., Facility Description:**

As a result of this comment, the second line of the first paragraph of Subsection A. is hereby changed:

From: Each turbine is rated at 33.8 MW at a combined maximum heat input of 562.6 MMBtu/hr.

To: Each turbine is rated at 33.8 MW at a maximum heat input of 562.6 MMBtu/hr.

**3. Comment #1, Section II, Facility-wide Conditions:**

Response: Specific condition #6 in the above referenced section is Rule 62-296.320(1)(a), F.A.C. and is applicable to this facility. Therefore, no change will be made.

**4. Comment #2, Section II, Facility-wide Conditions:**

As a result of this comment, specific condition #8 of this section is hereby changed to include the following step for minimizing unconfined particulate emissions:

- Additional or alternative activities may be utilized to minimize unconfined particulate emissions.

**5. Comment #3, Section II, Facility-wide Conditions:**

As a result of this comment, the permit note at the end of the Facility-wide Conditions is hereby changed and will become specific condition No. 9.:

From: {Permit note: The permittee shall submit all compliance related notification and reports required of this permit to the Department's Southwest District Office}

To: 9. The permittee shall submit all compliance related notifications and reports required of this permit to the Department's South District office.

**6. Comment #1, Section III, Emissions Unit(s) and Conditions:**

Response: The verbiage in specific condition A.10 is from Rule 62-297.310(5), F.A.C., which applies to this facility. All equipment or instruments used to determine process variables for the determination of compliance with conditions of this permit must be installed, operated, and maintained. This condition, besides being straight from the rules, is very explicit and does not necessitate the listing of each piece of equipment or all instruments. It does require the permittee to be a responsible operator. Therefore, no change will be made.

**7. Comment #2, Section III, Emissions Unit(s) and Conditions:**

As a result of this comment, specific conditions #12 is hereby changed:

From: The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using either ASTM D2622-92, ASTM D4294-90, or both ASTM D4057-88 and ASTM D129-91.  
[Rules 62-213.440 and 62-297.440, F.A.C.]

To: The fuel sulfur content, percent by weight, provided by the vendor for each delivery of liquid fuels shall be determined by using either ASTM D2622-94, ASTM D4294-90, or both ASTM D4057-88 and ASTM D129-91.  
[Rules 62-213.440 and 62-297.440, F.A.C.]

**8. Comment #3, Section III, Emissions Unit(s) and Conditions:**

As a result of this comment, the first line in subpart (a) of specific conditions A.14 is hereby changed:

Since EPA Method 9 is referenced in specific condition A.11, the reference to DEP Method 9 in the first line of specific condition A.14.(a)2. will be deleted.

**9. Comment #4, Section III, Emissions Unit(s) and Conditions:**

Response: The conditions of APPENDIX TV-1 are a part of this permit, as you acknowledged previously. The permittee is responsible for complying with all applicable requirements of this appendix and permit. Therefore, no change will be made.

**B. Documents on file with the permitting authority:**

-Letter received May 30, 1997, from Mr. W. Jeffery Pardue.

**III. Conclusion.**

The permitting authority will issue the PROPOSED Permit No.: 0550003-001-AV, with any changes noted above.

Florida Power Corporation  
Avon Park Plant  
**Facility ID No.:** 0550003  
Highlands County

Initial Title V Air Operation Permit  
**PROPOSED Permit No.:** 0550003-001-AV

Permitting Authority:  
State of Florida  
Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
Title V Section

Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Phone: 904/488-1344  
Fax: 904/922-6979

Initial Title V Air Operation Permit  
**PROPOSED Permit No.:** 0550003-001-AV

**Table of Contents**

| <b>Section</b>   | <b>Page Number (s)</b> |
|--|------------------------|
| <b><u>Placard Page</u></b> .....   | 1                      |
| <b><u>I. Facility Information</u></b> .....                                | 2                      |
| A. Facility Description.   |                        |
| B. Summary of Emissions Unit ID No(s). and Brief Description(s).           |                        |
| C. Relevant Documents  |                        |
| <b><u>II. Facility-wide Conditions</u></b> .....                           | 3, 4                   |
| <b><u>III. Emissions Units and Conditions</u></b>                          |                        |
| Gas Turbine Peaking Unit No.1 & No.2 .....                                 | 5 - 9                  |
| <b><u>IV. Acid Rain Part</u></b>   |                        |
| Acid Rain, Phase II .....  | 10, 11                 |
| <b>Appendix U-1, List of Unregulated Emissions Units and/or Activities</b> |                        |
| <b>Appendix E-1, List of Exempt Emissions Units and/or Activities</b>      |                        |
| <b>Appendix TV-1, TITLE V CONDITIONS</b>                                   |                        |



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

**Permittee:**  
Florida Power Corporation

**PROPOSED Permit No.:** 0550003-001-AV  
**Facility ID No.:** 0550003  
**SIC No.:** 4911  
**Project:** Initial Title V Air Operation Permit

This permit is for the operation of the Avon Park Plant. This facility is located at 1415 South Highlands Avenue, Avon Park, Highlands County; UTM Coordinates: Zone 17, 451.4 km East and 3050.5 km North; Latitude: 27° 34' 45" North and Longitude: 81° 29' 33" West.

STATEMENT OF BASIS: This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213, and 62-214. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

**Referenced attachments made a part of this permit:**

Appendix U-1, List of Unregulated Emissions units and/or Activities  
Appendix E-1, List of Exempt Emissions Units and/or Activities  
APPENDIX TV-1, TITLE V CONDITIONS

Phase II Acid Rain Application/Compliance Plan received December 22, 1995.

**Effective Date:** January 1, 1998  
**Renewal Application Due Date:** July 5, 2002  
**Expiration Date:** December 31, 2002

---

Howard L. Rhodes, Director,  
Division of Air Resources  
Management

HLR/sms/cl

**Section I. Facility Information.**

**Subsection A. - Facility Description.**

This facility consists of two gas turbine peaking units No.1 and No.2. Both units have separate exhaust stacks and are permitted to fire No.2 fuel oil or natural gas. Each turbine is rated at 33.8 MW at a maximum heat input of 562.6 MMBtu/hr. Also included in this permit are miscellaneous unregulated/exempt emissions units and/or activities.

Based on the initial Title V permit application received June 14, 1996, this facility is not a major source of hazardous air pollutants (HAPs).

**Subsection B. - Summary of Emissions Unit ID No(s). and Brief Description(s).**

| <b>E.U. ID No.</b> | <b>Brief Description</b>  |
|--------------------|---|
| -003               | Gas Turbine Peaking Unit No. 1  |
| -004               | Gas Turbine Peaking Unit No. 2  |
| -002               | Fossil Fuel Fired Steam Generator [Retired Acid Rain Unit, see Acid Raid Part IV] |

*Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.*

**Subsection C. - Relevant Documents.**

The documents listed below are not a part of this permit, however they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History / ID Number Changes

These documents are on file with permitting authority:

Initial Title V Permit Application received June 14, 1996

## **Section II. Facility-wide Conditions.**

### **The following conditions apply facility-wide:**

1. APPENDIX TV-1, TITLE V CONDITIONS (version dated 2/27/97), is a part of this permit. {Permitting note: APPENDIX TV-1, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided with only one copy when requested or otherwise appropriate.}
2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), F.A.C.]
3. Prevention of Accidental Releases (Section 112(r) of the CAA). If required by 40 CFR 68, the permittee shall submit to the implementing agency:
  - a. a risk management plan (RMP) when, and if, such requirement becomes applicable, and;
  - b. certification forms and/or RMPs according to the promulgated rule schedule.[40 CFR 68]
4. Exempt Emissions units and/or Activities. Appendix E-1, List of Exempt Emissions units and/or Activities, is a part of this permit.  
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]
5. Unregulated Emissions units and/or Activities. Appendix U-1, List of Unregulated Emissions units and/or Activities, is a part of this permit.  
[Rule 62-213.440(1), F.A.C.]
6. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, VOCs or OSs without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.  
[Rule 62-296.320(1)(a), F.A.C.]
7. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or

greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity).  
[Rule 62-296.320(4)(b)1., F.A.C.]

**8. Not federally enforceable.** Reasonable precautions should be taken to prevent emissions of unconfined particulate matter at this facility. Steps presently taken at the facility to minimize particulate emissions are as follows:

- Maintenance of paved areas as needed,
- Regular mowing of grass and care of vegetation, and
- Limiting access to plant property by unnecessary vehicles.
- Additional or alternative activities may be utilized to minimize unconfined particulate emissions.

[Rule 62-296.320(4)(c)2., F.A.C.; and, proposed by applicant in the initial Title V permit application received June 14, 1996.]

**9.** The permittee shall submit all compliance related notifications and reports required of this permit to the Department's Southwest District Office}

**Section III. Emissions Unit(s) & Conditions.**

**Subsection A. This section addresses the following emissions unit(s).**

| <b>E. U. ID No.</b> | <b>Brief Description</b> |
|---------------------|--------------------------|
| -003                | Gas Peaking Turbine No.1 |
| -004                | Gas Peaking Turbine No.2 |

The above referenced turbines may fire natural gas or No. 2 fuel oil having a maximum sulfur content of 1.0 percent by weight. Each turbine is rated for and has a maximum heat input of 33.8 MW (megawatts of electricity) and 562.6 MMBtu/hr, respectively. Emissions are not controlled and each turbine exhausts through a separate stack. These units are not subject to any federal requirements, NSPS - 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines or Acid Rain. The above units began commercial service in 1968.

Permitting Note: The emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required.

**The following specific conditions apply to both of the above referenced emissions units:**

**Essential Potential to Emit (PTE) Parameters**

**A.1. Permitted Capacity.** The maximum heat input rate to each turbine shall not exceed 562.6 MMBtu/hour while firing No. 2 fuel oil or natural gas.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**A.2. Emissions Unit Operating Rate Limitation After Testing.** See specific condition A.13.

**A.3. Methods of Operation - Fuels.** Only natural gas or No. 2 fuel oil having a maximum sulfur content of 1.0 percent, by weight, shall be fired in the turbines.

[Rules 62-4.160(2) and 62-213.440(1), F.A.C.]

**A.4. Hours of Operation.** These emissions units may operate continuously, i.e., 8,760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

### Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**A.5. Visible Emissions.** Visible emissions from each turbine shall not be equal to or greater than 20 percent opacity.

[Rule 62-296.320(4)(b)1., F.A.C.; and, AO 28-202500.]

**A.6. Not federally enforceable. Sulfur Content.** The sulfur content of the No. 2 fuel oil shall not exceed 1.0 percent, by weight.

[Requested in initial Title V permit application dated June 12, 1996; and, AO 28-202500.]

### Excess Emissions

**A.7.** Excess emissions from these emissions units resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C.]

**A.8.** Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

### Monitoring of Operations

**A.9.** The permittee shall demonstrate compliance with the sulfur content limit with a fuel analysis provided by the vendor upon each fuel delivery. See specific condition A.12.

[Rule 62-213.440, F.A.C.; and, AO 28-202500.]

**A.10. Determination of Process Variables.**

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.  
[Rule 62-297.310(5), F.A.C.]

### Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**A.11.** The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Rule 62-204.800, F.A.C., and referenced in Chapter 62-297, F.A.C.  
[Rules 62-204.800, 62-296.320(4)(b)4.a. and 62-297.401, F.A.C.]

**A.12.** The fuel sulfur content, percent by weight, provided by the vendor for each delivery of liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90, or both ASTM D4057-88 and ASTM D129-91.  
[Rules 62-213.440 and 62-297.440, F.A.C.]

**A.13.** Operating Rate During Testing.

Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity (i.e., at less than 90 percent of the maximum operation rate allowed by the permit); in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted, provided however, operations do not exceed 100 percent of the maximum operation rate allowed by the permit. Once the emissions unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.  
[Rule 62-297.310(2), F.A.C.]

**A.14.** Applicable Test Procedures.

(a) Required Sampling Time.

2. Opacity Compliance Tests. When EPA Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less

than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

- c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

[Rule 62-297.310(4)(a)2.c., F.A.C.]

**A.15. Frequency of Compliance Tests.** The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

(a) General Compliance Testing.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- a. Did not operate; or
- b. In the case of a fuel burning emissions unit, burned liquid fuel for a total of no more than 400 hours.

4. During each federal fiscal year (October 1 - September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:

- a. Visible emissions, if there is an applicable standard;

8. Any combustion turbine that does not operate for more than 400 hours per year shall conduct a visible emissions compliance test once per each five-year period, coinciding with the term of its air operation permit.

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

10. An annual compliance test conducted for visible emissions shall not be required for units exempted from permitting at Rule 62-210.300(3)(a), F.A.C., or units permitted under the General Permit provisions at Rule 62-210.300(4), F.A.C.

(b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct

compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

(c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.

[Rule 62-297.310(7), F.A.C.]

**A.16. Visible Emissions Testing - Annual**. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning:

- a. only gaseous fuels; or
- b. gaseous fuels in combination with any amount of liquid fuels for less than 400 hours per year;  
or
- c. only liquid fuels for less than 400 hours per year.

[Rules 62-297.310(7)(a)4. and 8., F.A.C.]

### **Record keeping and Reporting Requirements**

**A.17. Malfunction Reporting**. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

[Rule 62-210.700(6), F.A.C.]

**A.18. Test Reports**.

(a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

[Rule 62-297.310(8), F.A.C.]

**Section IV. Acid Rain Part.**

**Operated by: Florida Power Corporation**  
**ORIS code: 0624**

**Subsection A. This subsection addresses Acid Rain, Phase II**

The emissions unit listed below is regulated under Acid Rain Part, Phase II.

| E.U. ID No. | Description  |
|-------------|--|
| -002        | Fossil Fuel Fired Steam Generator (boiler) - PERMANENTLY RETIRED |

**A.1.** The "Retired Unit Exemption" form submitted for this facility constitutes the Acid Rain Part application pursuant to 40 CFR 72.8 and is a part of this permit. The owners and operators of this acid rain unit shall comply with the standard requirements and special provisions set forth in DEP Form No. 62-210.900(1)(a)3., dated July 1, 1995, and signed by the designated representative on December 14, 1995. This unit is subject to the following: 40 CFR 72.1 which requires the unit to have an Acid Rain Part as part of its Title V permit; 40 CFR 72.2 which provides associated definitions; 40 CFR 72.3 which provides measurements, abbreviations, and acronyms; 40 CFR 72.4 which provides the federal authority of the Administrator; 40 CFR 72.5 which provides the authority of the states; 40 CFR 72.6 which makes the boiler a Phase II unit; 40 CFR 72.10 which gives the public access to information about this unit; and, 40 CFR 72.13 which incorporates certain ASTM methods into 40 CFR Part 72. [Chapter 62-213, F.A.C. and Rule 62-214.340, F.A.C.]

**A.2.** Sulfur dioxide (SO<sub>2</sub>) allowance allocations and nitrogen oxide (NO<sub>x</sub>) requirements for each Acid Rain unit are as follows:

| E.U. ID No. | EPA ID | Year  | 2000 | 2001 | 2002 |
|-------------|--------|---|------|------|------|
| -002        | P1     | SO <sub>2</sub> allowances, under Table 2 of CFR 73 | 487* | 487* | 487* |
|             |        | NO <sub>x</sub> limit                               | **   | **   | **   |

\*The number of allowances held by an Acid Rain source in a unit account may differ from the number allocated by the U. S. EPA under Table 2 of 40 CFR 73.

\*\*By January 1, 1999, this Part will be reopened to add NO<sub>x</sub> requirements in accordance with the regulations implementing section 407 of the Clean Air Act, if applicable.

**A.3.** The designated representative of this acid rain unit applied for an exemption from the requirements of the Federal Acid Rain Program by submitting a completed and signed "Retired Unit Exemption" form (DEP Form No. 62-210.900(1)(a)3., F.A.C., attached) to the Department. The date of permanent retirement is January 1, 1995. The unit has been completely dismantled and removed from the facility. Permit AO 28-211596 for this unit has been formally surrendered by letter on November 21, 1996. The final "Retired Unit Exemption" was issued by the U.S. EPA Region 4 on January 31, 1997. [Rule 62-214.340(2), F.A.C.; and, 40 CFR 72.8.]

**Table 1-1, Summary of Air Pollutant Standards and Terms**

Florida Power Corporation  
Avon Park Plant

PROPOSED Permit No.: 0550003-001-AV  
Facility ID No.: 0550003

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

| E.U. ID No. | Brief Description              |
|-------------|--------------------------------|
| -003        | Gas Turbine Peaking Unit No. 1 |
| -004        | Gas Turbine Peaking Unit No. 2 |

| Pollutant Name  | Fuel(s)                      | Hours/Year | Allowable Emissions            |           |     | Equivalent Emissions* |         | Regulatory Citation(s)          | See permit condition(s) |
|-----------------|------------------------------|------------|--------------------------------|-----------|-----|-----------------------|---------|---------------------------------|-------------------------|
|                 |                              |            | Standard(s)                    | lbs./hour | TPY | lbs./hour             | TPY     |                                 |                         |
| VE              | No.2 fuel oil<br>Natural Gas | 8,760      | Less than 20%                  | N/A       | N/A |                       |         | Rule 62-296.320(4)(b)1., F.A.C. | III.A.5.                |
| SO <sub>2</sub> | No.2 fuel oil<br>Natural Gas | 8,760      | 1.0 % sulfur content by weight |           |     | 577.0                 | 2,527.0 | A028-202500                     | III.A.6.                |

**Notes:**

\* The "Equivalent Emissions" listed are for informational purposes only.

[electronic file name: 05500031.xls]

## Table 2-1, Summary of Compliance Requirements

Florida Power Corporation  
Avon Park Plant

PROPOSED Permit No.: 0550003-001-AV  
Facility ID No.: 0550003

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

| E.U. ID No. | Brief Description              |
|-------------|--------------------------------|
| -003        | Gas Turbine Peaking Unit No. 1 |
| -004        | Gas Turbine Peaking Unit No. 2 |

| Pollutant Name<br>or Parameter | Fuel(s) | Compliance<br>Method          | Testing<br>Time<br>Frequency | Frequency<br>Base<br>Date * | Min. Compliance<br>Test<br>Duration | CMS** | See permit condition(s) |
|--------------------------------|---------|-------------------------------|------------------------------|-----------------------------|-------------------------------------|-------|-------------------------|
|                                |         |                               |                              |                             |                                     |       |                         |
| Sulfur                         | Oil     | Fuel Sampling<br>and Analysis | Per delivery ticket          |                             |                                     |       | III.A.9., 12.           |

**Notes:**

\* The frequency base date is established for planning purposes only; see Rule 62-297.310, F.A.C.

\*\* CMS [=] continuous monitoring system

\*\*\* If a combustion turbine is operated less than 400 hours per year, test is only required once every 5 years, during the year prior to permit renewal.

## Appendix U-1, List of Unregulated Emission Units and/or Activities

Florida Power Corporation  
Avon Park Plant  
Page 1 of 1

PROPOSED Permit No.: 0550003-001-AV

Unregulated Emissions Unit(s) and/or Activities. An emission unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

The below listed emission unit(s) and/or activities are neither regulated ‘emission unit(s)’ nor ‘exempt emission unit(s)’.

| E.U. ID No. | Brief Description of Emission Unit(s) and/or Activity                             |
|-------------|---|
| -002        | Fossil Fuel Fired Steam Generator [Retired Acid Rain Unit, see Acid Rain Part IV] |
|             |   |

## Appendix E-1, List of Exempt Emissions Units and/or Activities

Florida Power Corporation  
Avon Park Plant  
Page 1 of 1

PROPOSED Permit No.: 0550003-001-AV

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Full Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining whether a facility containing such emissions units or activities would be subject to any applicable requirements. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., are also exempt from the permitting requirements of Chapter 62-213, F.A.C., provided such emissions units and activities also meet the exemption criteria of Rule 62-213.430(6)(b), F.A.C. The below listed emissions units and/or activities are hereby exempt pursuant to Rule 62-213.430(6), F.A.C.

| Brief Description of Emissions Units and/or Activities |
|--|
| 1. Lube Oil Vent with demister                         |
| 2. Fuel Oil Storage Tanks (underground) - 2600 gal.    |
| 3. Two Waste Oil Storage Tanks - 550 gal.              |
| 4. Tank No. CT5 - No. 2 Fuel Oil (10,000 bbls)         |
| 5. Turbine Lube Oil Tank - 800 gal.                    |

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address

2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
 Mr. David Knowles  
 2295 Victoria Avenue  
 Suite 364  
 Fort Myers, Florida 33901

4a. Article Number  
 2 127 635 714

4b. Service Type

Registered  Insured

Certified  COD

Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
 7/3

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

6. Signature (Agent)  
 E. Richardson

PS Form 3811, December 1991 ☆U.S. GPO: 1992-323-402 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

PS Form 3800, March 1993

2 127 635 714



**Receipt for Certified Mail**

No Insurance Coverage Provided  
 Do not use for International Mail  
 (See Reverse)

Send to  
 Mr. David Knowles  
 2295 Victoria Avenue  
 Fort Myers, FL 33901

Postage \$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to Whom & Date Delivered

Return Receipt Showing to Whom, Date, and Addressee's Address

TOTAL Postage & Fees \$

Postmark or Date  
 6/30/97  
 Facility ID#: 0550003

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address

2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
 Mr. W. Jeffrey Padue, C.E.P.  
 Director of Environmental Services  
 Florida Power Corporation  
 3201 34th Street South  
 St. Petersburg, FL 33711

4a. Article Number  
 2 127 635 713

4b. Service Type

Registered  Insured

Certified  COD

Express Mail  Return Receipt for Merchandise

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

6. Signature (Agent)  
 C. Padue

PS Form 3811, December 1991 ☆U.S. GPO: 1992-323-402 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

PS Form 3800, March 1993

2 127 635 713



**Receipt for Certified Mail**

No Insurance Coverage Provided  
 Do not use for International Mail  
 (See Reverse)

Send to  
 Mr. W. Jeffrey Padue  
 3201 34th Street South  
 St. Petersburg, FL 33711

Postage \$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to Whom & Date Delivered

Return Receipt Showing to Whom, Date, and Addressee's Address

TOTAL Postage & Fees \$

Postmark or Date  
 6/30/97  
 Facility ID#: 0550003  
 FCC - Avon Park

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Mr. W. Jeffrey Pardue, C.E.P.  
Director of Environmental Services  
Florida Power Corporation  
3201 34th Street South  
St. Petersburg, Florida 33711

ORDER EXTENDING PERMIT EXPIRATION DATE

Avon Park Plant, Facility ID No.: 0550003

Section 403.0872(2)(b), Florida Statutes (F.S.), specifies that any facility which submits to the Department of Environmental Protection (Department) a timely and complete application for a Title V permit "is entitled to operate in compliance with its existing air permit pending the conclusion of proceedings associated with its application."

Section 403.0872(6), F.S., provides that a proposed Title V permit which is not objected to by the United States Environmental Protection Agency (EPA) "must become final no later than fifty-five (55) days after the date on which the proposed permit was mailed" to the EPA.

Pursuant to the Federal Acid Rain Program as defined in rule 62-210.200, Florida Administrative Code (F.A.C.), all Acid Rain permitting must become effective on January 1 of a given year.

This facility which will be permitted pursuant to section 403.0872, F.S., (Title V permit) will be required to have a permit effective date subsequent to the final processing date of the facility's Title V permit.

To prevent misunderstanding and to assure that the above identified facility continues to comply with existing permit terms and conditions until its Title V permit becomes effective, it is necessary to extend the expiration date(s) of its existing valid permit(s) until the effective date of its Title V permit. Therefore, under the authority granted to the Department by section 403.061(8), F.S., **IT IS ORDERED:**

1. The expiration date(s) of the existing valid permit(s) under which the above identified facility is currently operating is (are) hereby extended until the effective date of its permit issued pursuant to section 403.0872, F.S., (Title V permit);

2. The facility shall comply with all terms and conditions of its existing valid permit(s) until the effective date of its Title V permit;

3. The facility will continue to comply with the requirements of Chapter 62-214, F.A.C., and the Federal Acid Rain Program, as defined in rule 62-210.200, F.A.C., pending final issuance of its Title V permit.

#### PETITION FOR ADMINISTRATIVE REVIEW

The Department will take the action described in this Order unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 of the Florida Statutes, or a party requests mediation as an alternative remedy under section 120.573, F.S., before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning for a hearing are set forth below, followed by the procedures for requesting mediation.

A person whose substantial interests are affected by the Department's proposed decision may petition for an administrative hearing in accordance with sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions must be filed within 21 days of receipt of this Order. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number, and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by the petitioner, if any;

(e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this Order. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A person whose substantial interests are affected by the Department's proposed decision, may elect to pursue mediation by asking all parties to the proceeding to agree to such mediation and by filing with the Department a request for mediation and the written agreement of all such parties to mediate the dispute. The request and agreement must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, by the same deadline as set forth above for the filing of a petition.

A request for mediation must contain the following information:

(a) The name, address, and telephone number of the person requesting mediation and that person's representative, if any;

(b) A statement of the preliminary agency action;

(c) A statement of the relief sought; and

(d) Either an explanation of how the requester's substantial interests will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that the requester has already filed, and incorporating it by reference.

The agreement to mediate must include the following:

(a) The names, addresses, and telephone numbers of any persons who may attend the mediation;

(b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;

(c) The agreed allocation of the costs and fees associated with the mediation;

(d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;

(e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;

(f) The name of each party's representative who shall have authority to settle or recommend settlement; and

(g) The signatures of all parties or their authorized representatives.

As provided in section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by sections 120.569 and 120.57, F.S., for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57, F.S., remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under section 120.542 of the Florida Statutes. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner;

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;

(c) Each rule or portion of a rule from which a variance or waiver is requested;

(d) The citation to the statute underlying (implemented by) the rule identified in (c) above;

(e) The type of action requested;

(f) The specific facts that would justify a variance or waiver for the petitioner;

(g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested. The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in section 120.542(2) of the Florida Statutes, and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

This Order constitutes final agency action unless a petition is filed in accordance with the above paragraphs. Upon timely filing of a petition or request for mediation, this Order will not be effective until further Order of the Department.

RIGHT TO APPEAL

Any party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; and, by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Notice of Agency Action is filed with the Clerk of the Department.

DONE AND ORDERED this 6 day of 30, 1997 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



HOWARD L. RHODES, Director  
Division of Air Resources Management  
Twin Towers Office Building  
Mail Station 5500  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
(850) 488-0114

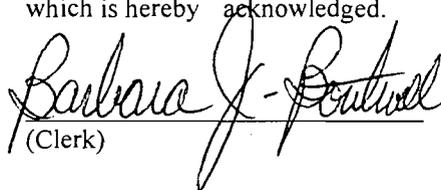
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this order and all copies were sent by certified mail before the close of business on 6/30/97 to the person(s) listed:

Mr. W. Jeffrey Pardue, C.E.P., Florida Power Corporation  
Mr. David Knowles, SD

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency Clerk, receipt of which is hereby acknowledged.

 6/30/97  
(Clerk) (Date)