

MEMORANDUM

TO: Howard L. Rhodes

FROM: Trina Vielhauer *trv* *JMB*

DATE: December 13, 2002

SUBJECT: FINAL Permit Renewal No. **0550003-002-AV**
Florida Power Corporation
Avon Park Plant

The subject of this permit is for the renewal of Title V Air Operation Permit No. 0550003-001-AV.

This facility consists of two gas turbine peaking units, numbered No. 1 and No. 2. Both units 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. Emissions are *not controlled*, and each turbine exhausts through a separate stack. The above units began commercial service in 1968.

These units are not subject to any federal requirements, including NSPS - 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, or the Federal Acid Rain Program. The emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required.

Because there are no pollution control devices at the facility, Compliance Assurance Monitoring (CAM) *does not apply*.

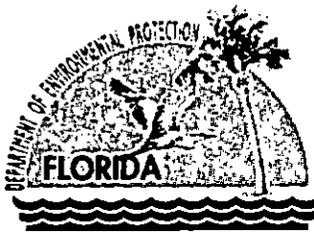
The facility holds ORIS facility code **0624** under the Federal Acid Rain Program. There is one affected unit, a fossil fuel fired steam generator (noted as ARMS E.U. ID No. -002 and EPA ID 2) *that has been permanently retired*. The date of permanent retirement is January 1, 1995. The unit has been 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.

The only comments received concerning the DRAFT Title V Permit that was clerked on August 22, 2002, were from the Applicant, and *all comments were resolved*. *No comments* were received from U.S. EPA, Region 4, concerning the PROPOSED Title V Permit that was posted on the Department's web site on October 29, 2002.

I recommend your signature.

Attachment

TV/tbc



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

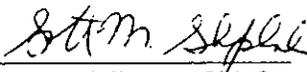
Mr. Kris Edmondson
Plant Manager Central CT Sites and Responsible
Official
Florida Power Corporation
100 Central Avenue
St. Petersburg, FL 33701

Title V Permit Renewal No. **0550003-002-AV**
Avon Park Plant
Facility ID **0550003**; ORIS Code: **0624**

Enclosed is FINAL Title V Permit Renewal Number 0550003-002-AV for the Avon Park Plant, located at 1415 South Highlands Avenue, Avon Park, Highlands County, issued pursuant to Chapter 403, Florida Statutes (F.S.).

Any party to this order (permit) has the right to seek judicial review of the permit 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 Legal Office, 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 (thirty) days from the date this Notice is filed with the Clerk of the permitting authority.

Executed in Tallahassee, Florida.


for Trina Vielhauer, Chief
Bureau of Air Regulation

"More Protection, Less Process"

Printed on recycled paper.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 12/16/02 to the person(s) listed or as otherwise noted:

Kris Edmondson*
Kennard F. Kosky, P.E., Golder Associates, Inc.
Ron Blackburn, South District Office
U.S. EPA, Region 4 (INTERNET E-mail Memorandum)

Clerk Stamp

12/16/02 cc: Tom Cascio
Readingville

FILED 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.

Kennard F. Kosky 12/16/02
(Clerk) (Date)

FINAL PERMIT DETERMINATION

I. Comment(s).

No comments were received from U.S. EPA, Region 4, concerning the PROPOSED Title V Permit Renewal that was posted on the Department's web site on October 29, 2002.

II. Conclusion.

The permitting authority hereby issues the FINAL Permit Renewal No. 0550003-002-AV with no changes, with the exception of the deletion of an outdated note that followed the list of insignificant activities included in Appendix I-1.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 Mr. Kris Edmondson
 Plant Manager Central CT Sites
 and Responsible Official
 Florida Power Corporation
 100 Central Avenue
 St. Petersburg, Florida 33701

2. Article Number
 (Transfer from service label) 7000 0600 0021 6524 2564

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

7000 0600 0021 6524 2564

**U.S. Postal Service
 CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)**

Article Sent To:
 Mr. Kris Edmondson

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
 Here

Name (Please Print Clearly) (to be completed by mailer)
 Mr. Kris Edmondson
 Street, Apt. No., or PO Box No.
 100 Central Avenue
 City, State, ZIP+4
 St. Petersburg, Florida 33701

PS Form 3800, July 1999

See Reverse for Instructions

STATEMENT OF BASIS

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

Title V Air Operation Permit Renewal
Permit Project No. **0550003-002-AV**
Renewal of Title V Air Operation Permit No. 0550003-001-AV

The initial Title V Air Operation Permit, No. 0550003-001-AV, was issued/effective on January 1, 1998. This Title V Air Operation Permit Renewal 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.

The subject of this permit is for the renewal of Title V Air Operation Permit No. 0550003-001-AV.

This facility consists of two gas turbine peaking units, numbered No. 1 and No. 2. Both units 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. Emissions are *not controlled*, and each turbine exhausts through a separate stack. The above units began commercial service in 1968.

These units are not subject to any federal requirements, including NSPS - 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, or the Federal Acid Rain Program. The emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required.

Because there are no pollution control devices at the facility, Compliance Assurance Monitoring (CAM) *does not apply*.

The facility holds ORIS facility code **0624** under the Federal Acid Rain Program. There is one affected unit, a fossil fuel fired steam generator (noted as ARMS E.U. ID No. -002 and EPA ID **2**) *that has been permanently retired*. 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.

Also included in this permit are miscellaneous unregulated emissions units and/or activities.

Based on the Title V permit renewal application received July 1, 2002, this facility is *not* a major source of hazardous air pollutants (HAPs).

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

Title V Air Operation Air Permit Renewal

FINAL Permit Project No. **0550003-002-AV**
Renewal of Title V Air Permit No. 0550003-001-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Title V Section

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

Phone: 850/488-0114
Fax: 850/922-6979

Title V Air Operation Permit Renewal
FINAL Permit Renewal No. 0550003-002-AV

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Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

Permittee:

Florida Power Corporation
100 Central Avenue
St. Petersburg, FL 33701

FINAL Permit Renewal No. **0550003-002-AV**

Facility ID No. **0550003**

SIC No.: 4911

Project: Title V Air Operation Permit Renewal

The purpose of this permit is to renew Title V Air Operation Permit No. 0550003-001-AV, issued on January 1, 1998, 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.

This Title V air operation permit renewal 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 I-1, List of Insignificant Emissions Units and/or Activities.
Appendix TV-4, Title V Conditions, version dated February 12, 2002.
Retired Unit Exemption dated July 30, 2002.

Effective Date: January 1, 2003

Renewal Application Due Date: July 5, 2007

Expiration Date: December 31, 2007

Howard L. Rhodes, Director
Division of Air Resource
Management

HLR/tbc

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Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of two gas turbine peaking units, designated 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. The facility also includes a retired Acid Rain unit. In addition, included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V permit renewal application received July 1, 2002, 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).

E.U. ID No.	Brief Description
-003	Gas Turbine Peaking Unit No. 1
-004	Gas Turbine Peaking Unit No. 2
-002	Fossil Fuel Fired Steam Generator (Retired Acid Rain Unit)

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.

Statement of Basis.

These documents are on file with the permitting authority:

Application for a Title V Permit Renewal received July 1, 2002.

DRAFT Title V Permit Renewal clerked on August 22, 2002.

Comments from the applicant in a letter dated September 16, 2002.

Comments from the applicant in a letter dated October 17, 2002.

PROPOSED Title V Permit Renewal posted for EPA review on October 29, 2002.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. Appendix TV-4, Title V Conditions, is a part of this permit.
{Permitting note: Appendix TV-4, 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. 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). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rule 62-296.320(4)(b)1., & 4., F.A.C.]
 4. Prevention of Accidental Releases (Section 112(r) of CAA).
 - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 3346
Merrifield, VA 22116-3346
Telephone: 703/816-4434
- and,
- b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.
[40 CFR 68]
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. Insignificant Emissions units and/or Activities. Appendix I-1, List of Insignificant Emissions units and/or Activities, is a part of this permit.
[Rules 62-213.430(6), F.A.C.]
7. [Reserved.]

8. 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.]

9. **Not federally enforceable.** Reasonable precautions shall be taken to prevent emissions of unconfined particulate matter at this facility. Specific steps shall be taken at the facility to minimize particulate emissions 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.

[Rule 62-296.320(4)(c)2., F.A.C.; and, proposed by applicant in the Title V permit renewal application received July 1, 2002.]

{Note: This condition implements the requirements of Rules 62-296.320(4)(c)1., 3., & 4., F.A.C. (see Condition 57. of Appendix TV-4, Title V Conditions).}

10. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one. [Rule 62-213.440, F.A.C.]

11. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C. [Rules 62-213.440(3) and 62-213.900, F.A.C.]

{Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of Appendix TV-4, Title V Conditions).}

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

Department of Environmental Protection
South District Office
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901
Telephone: 941/332-6975
Fax: 941/332-6969

13. Any reports, data, notifications, certifications, and requests required for the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air and EPCRA Enforcement Branch
61 Forsyth Street
Atlanta, Georgia 30303-8960
Telephone: 404/562-9155
Fax: 404/562-9163

14. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), F.A.C.]

Section III. Emissions Unit(s) & Conditions.

Subsection A. This section addresses the following emissions units.

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

The above referenced gas turbines may fire natural gas or No. 2 fuel oil having a maximum sulfur content of 1.0 percent by weight. Each gas turbine is rated at 33.8 MW (megawatts of electricity), and has a maximum heat input of 562.6 mmBtu/hr. Emissions are *not controlled*, and each turbine exhausts through a separate stack. The units began commercial service in 1968.

{Permitting Note: The emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required. However, these units are *not* subject to any federal requirements, NSPS - 40 CFR 60 Subpart GG, Standards of Performance for Stationary Gas Turbines, or the Federal Acid Rain Program.}

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.]

{Permitting note: The heat input limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability. Regular record keeping is not required for heat input. Instead the owner or operator is expected to determine heat input whenever emission testing is required, to demonstrate at what percentage of the rated capacity that the unit was tested. Rule 62-297.310(5), F.A.C., included in the permit, requires measurement of the process variables for emission tests. Such heat input determination may be based on measurements of fuel consumption by various methods including but not limited to fuel flow metering or tank drop measurements, using the heat value of the fuel determined by the fuel vendor or the owner or operator, to calculate average hourly heat input during the test.}

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.

{Permitting note: Unless otherwise specified, the averaging time for Specific Condition A.5. is based on the specified averaging time of the applicable test method.}

[Rule 62-296.320(4)(b)1., F.A.C.; and, AO28-202500.]

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

[0550003-001-AV, Specific Condition A.6.]

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 or permittee upon each fuel delivery. See Specific Condition A.12.

[Rule 62-213.440, F.A.C.; and, AO28-202500.]

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 or permittee for each delivery of liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90, both ASTM D4057-88 and ASTM D129-91, or the latest edition(s).
[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 may 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.; and, SIP approved]

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.]

Recordkeeping 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 Phase II of the Federal Acid Rain Program.

E.U. ID No.	Description
-002	Fossil Fuel Fired Steam Generator - PERMANENTLY RETIRED

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 April 16, 2001, and signed by the designated representative on July 30, 2002. 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 and Rule 62-214.340, F.A.C.]

2. Sulfur dioxide (SO₂) allowance allocations for the Acid Rain unit are as follows:

E.U. ID No.	EPA ID	Year	2003	2004	2005	2006	2007
-002	2	SO₂ allowances, under Table 2 of 40 CFR 73	495*	495*	495*	495*	495*

*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.

3. Emission Allowances. Emissions from sources subject to the Federal Acid Rain Program (Title IV) shall not exceed any allowances that the source lawfully holds under the Federal Acid Rain Program. Allowances shall not be used to demonstrate compliance with a non-Title IV applicable requirement of the Act.

- a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.440(3), F.A.C.
- b. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain program.
- c. Allowances shall be accounted for under the Federal Acid Rain Program.

[Rule 62-213.440(1)(c), F.A.C.]

4. 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.]

5. Where an applicable requirement of the Act is more stringent than applicable regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.
[40 CFR 70.6(a)(1)(ii); and, Rule 62-210.200, F.A.C., Definitions – Applicable Requirements.]

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

Unregulated Emissions Units and/or Activities. An emissions 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 emissions unit is neither a “regulated emissions unit” nor an “insignificant emissions unit”.

E.U. ID No.	Brief Description of Emission Unit(s) and/or Activity
-002	Fossil Fuel Fired Steam Generator (Retired Acid Rain Unit)

Appendix I-1. List of Insignificant Emissions Units and/or Activities.

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, or that meet the criteria specified in Rule 62-210.300(3)(b)1., F.A.C., Generic Emissions Unit Exemption, are exempt from the permitting requirements of Chapters 62-210, 62-212 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 the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and/or activities are considered insignificant 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.

Appendix H-1. Permit History/ID Number Changes.

Permit History (for tracking purposes):

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date	Revised Date(s)
-003	Gas Turbine Peaking Unit No. 1	AO28-202500	10/10/91	10/10/96	08/16/96	
		0550003-001-AV	01/01/98	12/31/02		
-004	Gas Turbine Peaking Unit No. 2	AO28-202500	10/10/91	10/10/96	08/16/96	
		0550003-001-AV	01/01/98	12/31/02		
-002	Fossil Fuel Fired Steam Generator (Retired Acid Rain Unit)	AO28-211596	05/12/92	05/12/97*		
		0550003-001-AV	01/01/98	12/31/02		

ID Number Changes (for tracking purposes):

From: **Facility ID No.:** 52FTM280003

To: **Facility ID No.:** 0550003

*Permit AO28-211596 was formally surrendered on November 21, 1996. This Retired Acid Rain Unit was permanently shutdown on January 21, 1984. It has been dismantled and removed from the plant site.

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

Florida Power Corporation Avon Park Plant						Permit No. 0550003-002-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							
			Allowable Emissions			Equivalent Emissions			
Pollutant Name	Fuel(s)	Hours/Year	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Regulatory Citation(s)	See permit conditions
VE	No.2 fuel oil Natural Gas	8,760	Less than 20%	N/A	N/A			Rule 62-296.320(4)(b)1., F.A.C.	A.5.
SO ₂	No.2 fuel oil Natural Gas	8,760	1.0 % sulfur content by weight			577.0	2,527.0	A028-202500	A.6.
Notes: * The "Equivalent Emissions" listed are for informational purposes only.									

Table 2-1. Summary of Compliance Requirements.

Florida Power Corporation Avon Park Plant		Permit No. 0550003-002-AV Facility ID No. 0550003					
This table summarizes information for convenience purposes only. It does not supersede any of the terms or conditions of the permit.							
E.U. ID No.		Brief Description					
-003		Gas Turbine Peaking Unit No. 1					
-004		Gas Turbine Peaking Unit No. 2					
Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date *	Min. Compliance Test Duration	CMS**	See permit conditions
VE	All	EPA Method 9	Annually ***	17-Mar	30 Minutes		A.16.
SO ₂	Oil	Fuel Sampling and Analysis	Per delivery ticket				A.9., A.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.							

Retired Unit Exemption

For more information, see instructions and refer to Rule 62-214.340(2), F.A.C., and 40 CFR 72.8

This submission is:

New

Revised

Page 1

STEP 1

Identify the unit by plant name, State, ORIS code and unit ID#.

Avon Park	Florida	0624	002
Plant Name	State	ORIS Code	Unit ID#

STEP 2

Identify the first full calendar year in which the unit meets (or will meet) the requirements of Rule 62-214.340(2)(a), F.A.C.

January 1, 1995

STEP 3

Read the special provisions.

Special Provisions

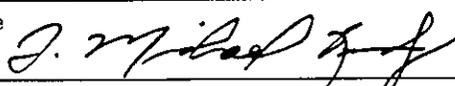
- (1) A unit exempt under Rule 62-214.340(2), F.A.C., shall not emit any sulfur dioxide and nitrogen oxides starting on the date that the exemption takes effect. The owners and operators of the unit will be allocated allowances in accordance with 40 CFR part 73 subpart B. If the unit is a Phase I unit, for each calendar year in Phase I, the designated representative of the unit shall submit a Phase I permit application in accordance with 40 CFR part 72 subparts C and D and an annual certification report in accordance with 40 CFR 72.90 through 72.92 and is subject to 40 CFR 72.95 and 72.96.
- (2) A unit exempt under Rule 62-214.340(2), F.A.C., shall not resume operation unless the designated representative of the source that includes the unit submits a complete Acid Rain part application under Rule 62-214.320, F.A.C., for the unit not less than 24 months prior to the date on which the unit is first to resume operation.
- (3) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under Rule 62-214.340(2), F.A.C., shall comply with the requirements of Chapter 62-214, F.A.C., and the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.
- (4) For any period for which a unit is exempt under Rule 62-214.340(2), F.A.C., the unit is not an Acid Rain unit and is not eligible to be an opt-in source under 40 CFR part 74. As a non-Acid Rain Unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR part 70.
- (5) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under Rule 62-214.340(2), F.A.C., shall retain at the source that includes the unit records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the EPA or the Department. The owners and operators bear the burden of proof that the unit is permanently retired.
- (6) On the earlier of the following dates, a unit exempt under Rule 62-214.340(2), F.A.C., shall lose its exemption and become an Acid Rain Unit: (i) the date on which the designated representative submits an Acid Rain part application under paragraph (2); or (ii) the date on which the designated representative is required under paragraph (2) to submit an Acid Rain part application. For the purpose of applying monitoring requirements under 40 CFR part 75, a unit that loses its exemption under Rule 62-214.340(2), F.A.C., shall be treated as a new unit that commenced commercial operation on the first date on which the unit resumes operation.

STEP 4

Read the appropriate certification and sign and date.

Certification (for designated representatives only)

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name J. Michael Kennedy, QEP	
Signature 	Date 7/30/02

Plant Name (from Step 1) **Avon Park**

STEP 4, cont'd.
Read the appropriate
certification and sign
and date.

Certification (for certifying officials only)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	
Signature	Date

Certification (for additional certifying officials, if applicable)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	
Signature	Date

Certification (for additional certifying officials, if applicable)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	
Signature	Date