

City of Vero Beach

1053 - 20th PLACE - P.O. BOX 1389
VERO BEACH, FLORIDA 32961-1389
Telephone: (561) 978-4710 • Fax: (561) 778-3856
e-mail: citymgr@covb.org

OFFICE OF THE
CITY MANAGER /
UTILITIES DIRECTOR

October 29, 2001

RECEIVED

NOV 13 2001

BUREAU OF AIR REGULATION

Mr. Clair H. Fancy, Chief
Bureau of Air Regulation
Florida Department of Environmental Protection
11 South Magnolia, Suite 4
Tallahassee, FL 32301

Subject: Title V Permit No. 0610029-002-AV: Vero Beach Municipal Power Plant – Emissions Unit (EU) 5 Evaporative Cooling System Title V Permit Application

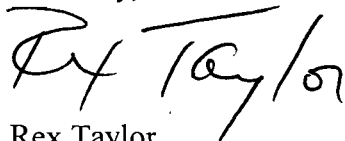
Project No - : 0610029-005-AV

Dear Mr. Fancy,

Installation of the evaporative cooling/humidification unit authorized by construction permit 0610029-004-AC (PSD-FL-152C) on Emissions Unit 5 at the Vero Beach Municipal Power Plant is complete. Accordingly, I am enclosing four copies of the application for the air permit – Title V source. This application is to include the installation of the evaporative cooling humidification unit for Emissions Unit (EU) 5 at the Vero Beach Municipal Power Plant.

If you have any questions, please contact Jim Stevens at (561) 978-5051.

Sincerely,



Rex Taylor
City Manager/Utilities Director/Responsible Official

Enclosures

Mail Certified 7000 0600 0027 4878 6645

Cc: Richard M. Siefert
James F. Stevens
File

**APPLICATION FOR TITLE V PERMIT
INSTALLATION OF EVAPORATIVE
COOLING HUMIDIFICATION UNIT
UNIT 5**

Prepared For:

**City of Vero Beach
Municipal Utilities
P.O. Box 1389
Vero Beach, Florida 32961-1389**

Prepared By:

**Golder Associates Inc.
6241 NW 23rd Street, Suite 500
Gainesville, Florida 32653-1500**

**October 2001
0137634**

DISTRIBUTION:

**4 Copies - FDEP
2 Copies - City of Vero Beach
1 Copy - Golder Associates Inc.**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
PART I - APPLICATION FOR AIR PERMIT LONG FORM	
PART II - SUPPORTING INFORMATION	
1.0 DESCRIPTION	1
1.1 EVAPORATIVE COOLING SYSTEM.....	1
1.2 REGULATORY REQUIREMENTS	1

LIST OF ATTACHMENTS

ATTACHMENT A COPY OF FDEP AUTHORIZATION FOR EVAPORATIVE
COOLING/HUMIDIFICATION UNIT

PART I
APPLICATION FOR AIR PERMIT
LONG FORM

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

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

Current construction permit number: _____

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

Current construction permit number: PSD-FL-152C; 0610029-004-AC

Operation permit number to be revised: _____

- Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: _____

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

Operation permit number to be revised: _____

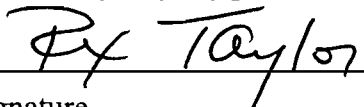
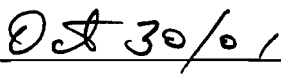
Reason for revision: _____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: Rex Taylor, City Manager, Utilities Director
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: City of Vero Beach Street Address: P.O. Box 1389 City: Vero Beach State: FL Zip Code: 32961-1389
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (561) 978 - 5151 Fax: (561) 778 - 3856
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [], if so) or the responsible official (check here [], if so) of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  _____ Signature  _____ Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Kennard F. Kosky Registration Number: 14996
2. Professional Engineer Mailing Address: Organization/Firm: Golder Associates Inc. Street Address: 6241 NW 23rd Street, Suite 500 City: Gainesville State: FL Zip Code: 32653-1500
3. Professional Engineer Telephone Numbers: Telephone: (352) 336 - 5600 Fax: (352) 336 - 6603

4. Professional Engineer Statement:

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

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

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

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

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

[Handwritten Signature]

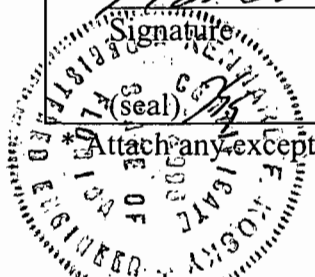
10/23/01

Signature

Date

(seal)

Attach any exception to certification statement.



Construction/Modification Information

1. Description of Proposed Project or Alterations:

2. Projected or Actual Date of Commencement of Construction:

3. Projected Date of Completion of Construction:

Application Comment

The combustion turbine associated with Unit 5 was installed with a evaporative cooling/humidification unit that will reduce the turbine inlet air temperature. The temperature reduction will improve the heat rate and increase power due to the cooler-denser inlet air. The net emissions change from this project did not result in an increase of any regulated pollutant greater than the PSD significant emission rates. Installation of the evaporative cooling/humidification unit was authorized by permit 0610029-004-AC (PSD-FL-152C). Discussed in Part II.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: 17 East (km): 561.4 North (km): 3056.5			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 27 / 37 / 52 Longitude (DD/MM/SS): 80 / 22 / 33			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4911
7. Facility Comment (limit to 500 characters): The existing City of Vero Beach Municipal Utilities power plant consists of 4 Fossil Fuel Fired Steam Generators (Units 1 - 4) and 1 Combined Cycle Unit (Unit 5). The combined cycle unit consists of a combustion turbine and an associated heat recovery steam generator (HRSG). The primary fuel for the combustion turbine is natural gas with the distillate oil as back-up. Refer to Part II for discussion.			

Facility Contact

1. Name and Title of Application Contact: Mr. James F. Stevens, Supervisor of Environmental Affairs			
2. Facility Contact Mailing Address: Organization/Firm: City of Vero Beach, Power Plant Street Address: 100 17th Street City: Vero Beach State: FL Zip Code: 32960			
3. Facility Contact Telephone Numbers: Telephone: (561) 978 - 5051 Fax: (561) 978 - 5090			

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters): <p style="text-align: center;">NSPS Subpart GG applies to the combustion turbine for Unit 5.</p>	

List of Applicable Regulations

<p>Facility emissions are covered under existing Title V permit. There are no additional facility or emission unit applicable requirements as a result of the installation of the inlet cooling system on Unit 5.</p>	
<p>See Part II for specific conditions for Unit 5.</p>	

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input checked="" type="checkbox"/> Attached, Document ID: <u>Part II</u> <input type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: _____) or previously submitted to DEP (Date and DEP Office: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input checked="" type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

PART II
SUPPORTING INFORMATION

1.0 DESCRIPTION

The City of Vero Beach has installed an evaporative cooling system in the inlet duct of the combustion turbine (Unit 5) in combined cycle configuration at the Municipal Utilities Power Plant. The purpose of the evaporative cooling system is to provide adiabatic inlet air cooling, which increases turbine output and decreases heat rate. The Florida Department of Environmental Protection (FDEP) pursuant to permit PSD-FL-152C (DEP File 0610029-004-AC) authorized this project. The FDEP authorization is contained in Attachment A. This application is for the inclusion of this authorization in the Title V permit.

1.1 EVAPORATIVE COOLING SYSTEM

Evaporative cooling systems achieve adiabatic cooling using water that is evaporated in the turbine inlet air stream. The water is typically distributed over a porous surface where the inlet air and water can come into contact. This surface extracts the latent heat of vaporization from the gas stream when water is converted to gas. Heat is removed at a rate of 1,075 Btu/lb of water. The result of the cooling is a denser more moisture laden, air stream.

The evaporative cooling system installed and operated on Unit 5 is a Munters TURBIdex™ Single Stage Evaporative Cooling/Humidification Unit. Manufacturer's information for this system was provided in the air construction permit application. The evaporative cooling system has an evaporative cooling efficiency of 89 percent.

1.2 REGULATORY REQUIREMENTS

The installation of the evaporative cooling system was determined to be a modification as defined in Rule 62-210.200 Florida Administrative Code (F.A.C). This modification was reviewed under the Department's Prevention of Significant Deterioration (PSD) rules codified in Rule 62-212.400 F.A.C. and found to have maximum potential emissions less than the PSD thresholds. The pollutant closest to the PSD significant emission rates when firing natural gas was NO_x and was determined to be 7 tons per year (TPY) for 8,760 hour per year operation. The PSD significant emission rate is 40 TPY for NO_x. Maximum potential emissions for SO₂ were determined to be 5 TPY. The SO₂ emissions were primarily associated with distillate fuel oil firing, which is only used as a backup to natural gas. Maximum potential emission for CO and VOC on each fuel were determined to be less than about 1 percent of the PSD significant emission rates for those pollutants.

The only requirement in the air construction permit for the evaporative cooling system was descriptive (see Appendix SC Condition SC). There were no specific emission limiting standards, monitoring or record-keeping requirements for the evaporative cooling system. Therefore, the City of Vero Beach requests that the evaporative cooling system be either included as a separate specific condition under Subsection E or added to the description of the emissions in the "Permitting Notes". The latter may be appropriate since the authorization for the installation of the evaporative cooling system does not contain any additional requirements beyond that already contained in the Title V permit.

ATTACHMENT A

**COPY OF FDEP AUTHORIZATION FOR EVAPORATIVE
COOLING/HUMIDIFICATION UNIT**

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PSD PERMIT MODIFICATION

In the Matter of an
Application for Permit Modification by:

City of Vero Beach
100 17th Street
Vero Beach, Florida 32960

DEP File No.	PSD-FL-152 C
Permit No.	0610029-004-AC
Project	Evaporative Cooling System
SIC No.	4911
Expires:	December 31, 2001


Authorized Representative:
Rex Taylor, City Manager, Utilities Director

Enclosed is the Final Permit Number 0610029-004 AC (PSD-FL-152C) for a PSD permit modification to an evaporative cooling system on the existing 38 MW combined cycle General Electric PG6541B combustion turbine-electrical generator designated as City of Vero Beach Municipal Utilities Unit 5. This permit is a re-issuance of the original air construction permit authorizing the construction of Unit 5 and incorporating subsequent modifications including the present project. The unit is located at the as City of Vero Beach Municipal Utilities Plant, 100 17th Street, Vero Beach, Indian River County. The UTM coordinates are: Zone 17; 561.4 km E and 3056.5 km N.

This permit modification is issued pursuant to Chapter 403, Florida Statutes.

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 Department.

Executed in Tallahassee, Florida.


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

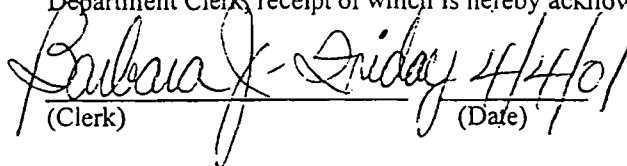
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PSD PERMIT MODIFICATION (including the FINAL permit modification) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 4/4/01 to the person(s) listed:

Rex Taylor, City of Vero Beach*
Richard Siefert, City of Vero Beach
Ken Kosky P.E., Golder Associates
Len Kozlov, CD
Gregg Worley, EPA

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date,
pursuant to §120.52, Florida Statutes, with the designated
Department Clerk receipt of which is hereby acknowledged.


(Clerk) Friday 4/4/01 (Date)

FINAL DETERMINATION

City of Vero Beach
Vero Beach Municipal Power Plant, Indian River County
Evaporative Cooling System Installation
DEP File No: 0610029-004-AC (PSD-FL-152C)

An Intent to Issue an air construction permit modification, authorizing the addition of an inlet Evaporative Cooler to the combined cycle combustion turbine-electrical generator (Unit 005) at the City of Vero Beach Municipal Utilities plant in Indian River County was distributed on January 18, 2001. The unit is located at the as City of Vero Beach Municipal Utilities Plant, 100 17th Street, Vero Beach, Indian River County, Florida.

The Public Notice of Intent to Issue Air Construction Permit was published in The Press Journal, Indian River County on February 7, 2001. Comments were received from the City of Vero Beach.

The comments solely concerned the substitution of the term "evaporative cooling" for the term "fogger", which was used to describe the project throughout the Technical Evaluation and Preliminary Determination and the Draft of the Permit. Since this terminology change does not constitute a significant change, the substitution of terms was made throughout the affected documents.

The final action of the Department will be to issue the permit modification as noted above.



Department of Environmental Protection

Jeb Bush
Governor

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

David B. Struhs
Secretary

PERMITTEE:

City of Vero Beach
100 17th Street
Vero Beach, Florida 32960

DEP File No.	PSD-FL-152 C
Permit No.	0610029-004-AC
Project	Evaporative Cooling System
SIC No.	4911
Expires:	December 31, 2001

Authorized Representative:

Rex Taylor
City Manager, Utilities Director

PROJECT AND LOCATION:

Installation of an evaporative cooling system on the existing 38 MW combined cycle General Electric PG6541B combustion turbine-electrical generator designated as City of Vero Beach Municipal Utilities Unit 5. This permit is a re-issuance of the original air construction permit authorizing the construction of Unit 5 and incorporating subsequent modifications including the present project.

The unit is located at the as City of Vero Beach Municipal Utilities Plant, 100 17th Street, Vero Beach, Indian River County.

The UTM coordinates are: Zone 17; 561.4 km E and 3056.5 km N.

STATEMENT OF BASIS:

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The above named permittee is authorized to modify the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

ATTACHED APPENDICES MADE A PART OF THIS PERMIT:

Appendix GC	Construction Permit General Conditions
Appendix SC	Specific Conditions including Permits PSD-FL-152 (AC31-184928), PSD-FL-152A (AC31-184928A) and PSD-FL-152B (AC31-253502)

Howard L. Rhodes, Director
Division of Air Resources
Management

"More Protection, Less Process"

Printed on recycled paper.

APPENDIX GC
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- a) Have access to and copy and records that must be kept under the conditions of the permit;
 - b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- a) A description of and cause of non-compliance; and
 - b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

APPENDIX GC
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-750.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This re-issued permit incorporates previous determinations for:
- a) Best Available Control Technology (X)
 - b) Prevention of Significant Deterioration (X); and
 - c) New Source Performance Standards (X).
- G.14 The permittee shall comply with the following:
- a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c) Records of monitoring information shall include:
 - 1. The date, exact place, and time of sampling or measurements;
 - 2. The person responsible for performing the sampling or measurements;
 - 3. The dates analyses were performed;
 - 4. The person responsible for performing the analyses;
 - 5. The analytical techniques or methods used; and
 - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

APPENDIX SC
SPECIFIC CONDITIONS

1. This permit, PSD-FL-152C (DEP File 0610029-004-AC), supersedes PSD permit PSD-FL-152B (DEP File AC31-253502) issued on September 21, 1995.
2. The provisions of air construction permit PSD-FL-152 (AC31-184928) issued on July 1, 1991 to construct Unit 5 and subsequent revisions PSD-FL-152A (AC31-184928A) issued on March 27, 1995 and PSD-FL-152B (AC31-253502) issued on September 21, 1995 are attached and incorporated into this air construction permit in addition to the change that follows in Specific Condition 3 below.
3. An evaporative cooling system may be installed at the compressor inlet of the City of Vero Beach Municipal Utilities Unit 5. The system may be operated at any time that Unit 5 is in operation.



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF PERMIT AMENDMENT

In the matter of an
Application for Permit Amendment by:

DEP File No. AC 31-253502
PSD-FL-152B
Indian River County

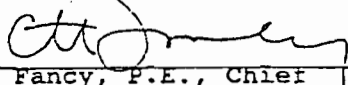
Mr. Mike Siefert
City of Vero Beach
100 - 17th Street
Post Office Box 1389
Vero Beach, Florida 32961-1389

Enclosed is amended permit No. AC 31-253502, PSD-FL-152B, to incorporate permit changes to reflect the installation of new dry low-NOx combustors. This permit amendment is issued pursuant to Section 403, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by 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, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 14 days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

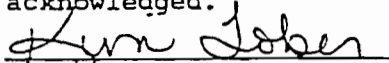
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


C. H. Fancy, P.E., Chief
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
904-488-1344

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT AMENDMENT and all copies were mailed by certified mail before the close of business on 9-27-95 to the listed persons.

Clerk Stamp
FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to
§120.52(11), Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.


Clerk
9-27-95
Date

Copies furnished to:
T. R. Nason, CVB
Gary Perko, HGSS
Charles Collins, CD
Jewell Harper, EPA
John Bunyak, NPS

Final Determination

Vero Beach Municipal Power Plant
Power Plant Unit 5
Indian River County, Florida

Construction Permit No.
AC 31-253502
PSD-FL-152B

Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation

September 21, 1995

Final Determination

Vero Beach Municipal Power Plant
Power Plant Unit 5

AC 31-253502
PSD-FL-152B

The City of Vero Beach's request for permit modifications at its facility in Vero Beach, Indian River County, Florida, has been reviewed by the Bureau of Air Regulation in Tallahassee. The Notice of Intent to Issue was distributed on August 4, 1995. Copies of the evaluation were available for inspection at the Department's offices in Orlando and Tallahassee.

Comments were submitted Mr. Gary V. Perko, Esq., on behalf of the City of Vero Beach. The Bureau has considered Mr. Perko's comments and has agreed on the changes he requested. In addition, the changes that were pointed out were the changes that were being made in this permitting action; however, the transposition of some of the changes did not happen in the proposed permit for some reason. Specific Condition No. 7 will be changed as follows:

A. Specific Condition No. 7.:

From: The permitted materials and utilization rates for the combined cycle gas turbine shall not exceed the values as follows:

- Maximum No. 2 fuel oil consumption shall not exceed 3,390 gals/hr.
- Maximum No. 2 fuel oil consumption shall not exceed 7,500,000 gals/yr.
- Maximum annual firing using No. 2 fuel oil shall not exceed 25% of the annual capacity factor.
- Maximum annual simple cycle operation shall not exceed 25% of the annual capacity factor.
- Maximum sulfur (S) content in the fuel oil shall not exceed 0.25 percent, by weight.
- Maximum heat input shall not exceed 414 MMBtu/hr (gas) or 438 MMBtu/hr (oil), based on 101.3 kilopascals pressure, 288° Kelvin and 60% relative humidity (ISO standard day conditions), and lower heating value of the fuel fired.

To: The permitted materials and utilization rates for the combined cycle gas turbine shall not exceed the values as follows:

- Maximum No. 2 fuel oil consumption shall not exceed 3,482 gals/hr.

Final Determination
Vero Beach Municipal Power Plant
Power Plant Unit 5
Page 2

- Maximum annual No. 2 fuel oil consumption shall not exceed 10,000,000 gals/yr.
- Maximum annual firing using No. 2 fuel oil shall not exceed 33% of the annual capacity factor.
- Maximum sulfur (S) content in the fuel oil shall not exceed 0.25 percent, by weight.
- Maximum heat input shall not exceed 414 MMBtu/hr (gas) or 455 MMBtu/hr (oil), based on 101.3 kilopascals pressure, 288° Kelvin and 60% relative humidity (ISO standard day conditions), and lower heating value of the fuel fired.

B. Attachments to be incorporated:

- o Mr. Gary V. Perko's letter with attachment received August 18, 1995.
- o Mr. Shuler W. Massey's letter with enclosure dated August 28, 1995.

It is recommended that the proposed construction permit/amended federal construction permit, No. AC 31-253502/PSD-FL-152B, be issued with the above changes made.



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

PERMITTEE:
Vero Beach Municipal Power
Plant
Post Office Box 1389
Vero Beach, Florida 32961

APIS No: 30ORL310005
Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996
County: Indian River
Latitude/Longitude: 27°37'59"N
80°22'41"W
Project: Modification of Power Plant
Unit 5: 60 MW Combined Cycle
Gas Turbine

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, 62-212, 62-275, 62-296, and 62-297, Florida Administrative Code (F.A.C.). 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 Department of Environmental Protection (Department) and specifically described as follows:

For authorization to increase the allowable sulfur dioxide (SO₂) emissions from the existing 60 MW combined cycle gas turbine located at the Vero Beach Municipal Power Plant in Vero Beach, Indian River County, Florida. The increase is due to the installation of dry low-NO_x burners and an increase in the potential fuel oil consumption rate. The UTM coordinates are 561.385 km East and 3056.538 km North.

The Specific Conditions contained in air construction permits, Nos. AC 31-184928/PSD-FL-152, and an associated letter amendment to construction permits, Nos. AC 31-184928A/PSD-FL-152A, are superceded by this permit's Specific Conditions for only the changes that are bolded. The original BACT determination does not require revision.

Attachments are listed below:

1. Construction permits, Nos. AC 31-184928/PSD-FL-152, and revised BACT issued June 28, 1991.
2. Mr. Howard L. Rhodes's letter amendment dated March 27, 1995.
3. Mr. Peter C. Cunningham's letter with Attachments dated and received May 16, 1995.
4. Mr. C. H. Fancy's letter with attachments dated August 4, 1995.
5. Mr. Gary V. Perko's letter with attachment received August 18, 1995.
6. Mr. Shuler W. Massey's letter with enclosure dated August 28, 1995.

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

GENERAL CONDITIONS:

credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and,
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the F.S. or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and F.S. after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by F.S. or Department rules.

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

GENERAL CONDITIONS:

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (X) Determination of Best Available Control Technology (BACT): AC 31-184928
- (X) Determination of Prevention of Significant Deterioration (PSD): PSD-FL-152
- (X) Compliance with New Source Performance Standards (NSPS): 40 CFR 60, Subpart GG

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and,
 - the results of such analyses.

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

SPECIFIC CONDITIONS:

1. The permittee shall maintain the construction required duct modules for the potential installation of a selective catalytic reduction (SCR) system.
2. The Department acknowledges that the permittee installed dry low-NO_x combustors. Based on the compliance test results, the maximum allowable emissions from Unit 5 shall not exceed the emission limitations listed in the new Table 5, which replaces Tables 1 thru 4. In the event a SCR system is required to be installed, the emission limitations shall be established at the time of installation by stack test results and through a revised determination of BACT. If a SCR system is installed, it may be bypassed during simple-cycle operation.
3. Unless the Department has determined other concentrations are required to protect public health and safety, predicted ambient reference concentrations (ARC) of the following pollutants shall not be exceeded:

Pollutant	Ambient Reference Concentrations		
	8 hrs	24 hrs	Annual
Beryllium	0.02	0.005	0.0004
Lead	1.5	0.36	0.09
Inorganic mercury compounds, all forms of vapor, as Hg	--	--	0.3

4. Visible emissions shall not exceed 10% opacity.
5. This source/emissions unit is allowed to operate continuously (8760 hours per year).
6. This source/emissions unit is allowed to use either natural gas or No. 2 fuel oil.
7. The permitted materials and utilization rates for the combined cycle gas turbine shall not exceed the values as follows:
 - Maximum No. 2 fuel oil consumption shall not exceed 3,482 gals/hr.
 - Maximum annual No. 2 fuel oil consumption shall not exceed 10,000,000 gals/yr.
 - Maximum annual firing using No. 2 fuel oil shall not exceed 33% of the annual capacity factor.
 - Maximum sulfur (S) content in the fuel oil shall not exceed 0.25 percent, by weight.

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

SPECIFIC CONDITIONS:

- Maximum heat input shall not exceed 414 MMBtu/hr (gas) or 455 MMBtu/hr (oil), based on 101.3 kilopascals pressure, 288° Kelvin and 60% relative humidity (ISO standard day conditions), and lower heating value of the fuel fired.

8. Any change in the method of operation, equipment or operating hours shall be submitted to the Department's Bureau of Air Regulation office and Central District office.

9. Any other operating parameters established during compliance testing and/or inspection that will ensure the proper operation of this facility shall be included in the operating permit.

10. Initial (I) compliance tests shall be performed on each CT using both fuels. In accordance with Specific Condition No. 14, annual (A) compliance tests shall be performed on each CT with the fuel(s) used for more than 400 hours in the preceding 12-month period. Tests shall be conducted using EPA referenced methods in accordance with the November 2, 1989 version of 40 CFR 60, Appendix A, and 40 CFR 61, Appendix B; and, the solid waste regulations SW 846:

- a. 5 or 17 for PM (I, A, for oil only)
- b. 10 for CO (I)
- c. 9 for VE (I, A)
- d. 20 for NO_x (I, A)
- e. Trace elements of Beryllium (Be) shall be tested (I, for oil only) using EMTIC Interim Test Method. As an alternative, Method 104 may be used; or Be may be determined from fuel sample analysis using either Method 7090 or 7091, and sample extraction using Method 3040 as described in the EPA solid waste regulations SW 846.
- f. Mercury (Hg) shall be tested using EPA Method 101 (40 CFR 61, Appendix B) (I, for oil only) or fuel sampling analysis using methods acceptable to the Department.
- g. 25A for VOC (I; no VOC stack test is required provided that the CO stack test demonstrates compliance with the allowable CO limit).

Note: Other DEP approved methods may be used for compliance testing after prior Departmental approval is received in writing.

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

SPECIFIC CONDITIONS:

11. Method 5 must be used to determine the initial compliance status of this unit. Thereafter, the opacity emissions test may be used unless 10% opacity is exceeded.

12. Compliance with the SO₂ emission limit can also be determined by calculations based on fuel analysis using ASTM D2880-71 for the sulfur content of liquid fuels and ASTM D1072-80, D3031-81, D4084-82 or D3246-81 for sulfur content of gaseous fuels.

13. During performance tests, to determine compliance with the NSPS NO_x standard, measured NO_x emissions at 15 percent oxygen will be adjusted to ISO ambient atmospheric conditions by the following equation:

$$NO_x = (NO_{x0}) \times (P_r/P_o)^{0.5} \times e^{19(H_o - 0.00633)} \times (288^\circ K/T_a)^{1.53}$$

where:

NO_x = emission rate of NO_x at 15 percent O₂ and ISO standard ambient conditions, volume percent.

NO_{x0} = observed/measured NO_x concentration at 15 percent O₂, ppmv.

P_r = reference combustor inlet absolute pressure at 101.3 kilopascals (1 atmosphere) ambient pressure, mm Hg.

P_o = observed/measured combustor inlet absolute pressure at test ambient pressure, mm Hg.

H_o = observed/specific humidity of ambient air, g H₂O/g air, at test.

e = transcendental constant, 2.718.

T_a = ambient temperature, °K, at test.

14. Test results will be the average of 3 valid runs. The Central District will be notified at least 15 days in writing in advance of any subsequent compliance test. Testing of emissions shall be conducted with the combustion turbine operating at permitted capacity. Permitted capacity is defined as 95-100 percent of the maximum heat input rate allowed by permit, corrected for the average ambient air temperature during the test, with 100 percent capacity represented by a curve depicting heat input v. ambient temperature. If it is impracticable to test at permitted capacity, the source/emissions unit may be tested at less than permitted capacity. In this case, subsequent operation is limited by adjusting the heat input v. ambient temperature curve downward by an increment equal to

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

SPECIFIC CONDITIONS:

the difference between the maximum permitted heat input (corrected for ambient temperature) and 105 percent of the value reached during the last compliance test until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of conducting an additional compliance test to regain the permitted capacity. Compliance test results shall be submitted to the Department's Central District office no later than 45 days after completion.

15. After the installation of low NO_x combustors or SCR, the permittee shall determine compliance with the NO_x standards in accordance with Specific Conditions Nos. 10 and 13.

16. A continuous monitoring system shall be installed to monitor and record the fuel consumption. Continuous monitoring shall also be installed, operated, and maintained in accordance with 40 CFR 60, Appendix F, or 40 CFR 75, if adopted and applicable, for the combined cycle unit to monitor nitrogen oxides emissions.

- a. Each continuous emission monitoring system (CEMS) shall meet performance specifications of 40 CFR 60, Appendix B, or 40 CFR 75, if adopted and applicable.
- b. CEMS data shall be recorded and reported in accordance with Chapter 17-2 (now Chapter 62-297), F.A.C., and 40 CFR 60. The record shall include periods of startup, shutdown and malfunction.
- c. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation or any other preventable upset conditions or preventable equipment breakdown shall not be considered malfunctions.
- d. The procedures under 40 CFR 60.13 shall be followed for installation, evaluation and operation of all CEMS.
- e. For purposes of reports required under this permit, excess emissions are defined as any one (1) hour period during which the average emissions of all readings collected during a continuous 60-minute period exceed the applicable emission limits in Table 5 referenced in Specific Condition No. 2. Quarterly excess emissions reports, in accordance with the July 1, 1992 edition of 40 CFR 60.7 and 40 CFR 60.13, shall be submitted to the Department's Central District office. The continuous

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

SPECIFIC CONDITIONS:

emission monitor system (CEM) shall be in compliance with 40 CFR 60, Appendix F - Quality Assurance Procedure, and 40 CFR 60, Appendix B - Performance Specification 2 or the applicable provisions of 40 CFR 75, if adopted. EPA Method 7E or equivalent (requires Department approval in writing) shall be used for the Determination of Nitrogen Oxide Emissions.

17. Sulfur, nitrogen content and lower heating value of the fuel oil being fired in the gas turbine shall be recorded daily. The records of fuel oil usage will be kept by the company for a five-year period and available for any regulatory agency's inspection.

18. This source/emissions unit shall comply with all applicable provisions of Chapter 403, F.S., and Chapters 17-2 and 17-4 (now Chapters 62-210 thru 62-297 and 62-4, respectively), F.A.C.

19. This source/emissions unit shall comply with all requirements of 40 CFR 60, Subpart GG, and F.A.C. Rule 62-296.800, standards of performance for Stationary Gas Turbines. Excess emissions shall be reported as measured by the continuous emission monitoring system pursuant to 40 CFR 60.334(c).

20. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements and regulations (F.A.C. Rule 62-2.210(1)).

21. This source/emissions unit shall comply with F.A.C. Rule 62-2.700 (now Chapters 62-296 and 62-297), Stationary Point Source Emission Test Procedure.

22. Pursuant to Rule 62-210.370(3), F.A.C., Air Operating Report (AOR), the permittee is required to submit an AOR on the actual operating rate and emissions from the facility for the previous year's operation. The AOR shall include, but is not limited to, the following: sulfur and nitrogen contents, by weight, and lower heating value of the fuel oil being fired, annual fuel consumption (fuel oil and natural gas), hours of operation per fuel usage (singly fired and co-fired), actual air pollutant emissions, etc. The AOR shall be sent to the Department's Central District office by March 1 of each year and represents the previous calendar year's operation.

23. The Specific Conditions contained in air construction permits, Nos. AC 31-184928/PSD-FL-152, and associated letter amendment to construction permits, Nos. AC 31-184928A/PSD-FL-152A, are superceded by this permit's Specific Conditions for only the changes that are printed in bold type.

PERMITTEE:
Vero Beach Municipal Power
Plant

Permit Number: AC31-253502/PSD-FL-152B
Expiration Date: August 15, 1996

SPECIFIC CONDITIONS:

24. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit. (Rule 62-4.090, F.A.C.)

25. If Florida is granted interim or full approval for the Title V operation permit program prior to December 1, 1995, this condition is negated. An application for an operation permit must be submitted to the Department's Central District office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit. (Rules 62-4.055 and 62-4.220, F.A.C.)

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Howard L. Rhodes, Director
Division of Air Resources
Management