



**H. D. KING POWER PLANT**

311 North Indian River Drive  
Fort Pierce, Florida 34950  
(407) 464-5792

**RECEIVED**

FEB 26 1996

BUREAU OF  
AIR REGULATION

February 21, 1996

Mr. Al Linero  
Director, Air Permitting  
Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Subject: Modifications of Permit AO 56-190275 and  
Permit AO 56-175955

Dear Mr. Linero:

Fort Pierce Utilities Authority is requesting modifications of its operating air permits. The permits presently limit the SO<sub>2</sub> to less than .2 lb/hour when natural gas is utilized as fuel. This unrealistic low number results in non-compliance due to the sulfur normally contained in natural gas. The permits additionally limit particulate matter to less than one (1) lb/hour while burning natural gas.

We would request that the SO<sub>2</sub> limits be revised to a maximum of 2.5 lb/hour per unit which is in line with permits issued to other gas fueled units of similar size, and the particular matter limits be removed from the permits. Additionally, we would request the permits be revised to delete annual testing for sulfur dioxide or particular matter.

We have enclosed copies of the subject permits for your convenience and a check for \$500.00 for permit modifications. Your assistance in correcting these long-standing problems is certainly appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas W. Richards".

Thomas W. Richards, P.E.  
Director of Operations

cc: W. Hanks  
SED

Attachments

TWR:HL/p

1110003-001-AC



FORT PIERCE UTILITIES AUTHORITY  
OPERATING ACCOUNT

CHECK NUMBER S 047502  
VOID AFTER 90 DAYS  
CHECK NO 047502

63-1114  
670

PAY \*\*\*\*\* FIVE HUNDRED AND 00/100 \*\*\*

DATE AMOUNT  
02/22/96 \*\*\*\*\*500.00

TO THE ORDER OF



Riverside  
National Bank of Florida  
Fort Pierce, Florida 34950

FL DEPT. OF ENVIRONMENTAL  
PROTECTION  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FL 32399-2400

*Elmer Bonbrun*  
DIRECTOR OF UTILITIES  
*[Signature]*  
DIRECTOR OF FINANCE

⑈00047502⑈ ⑆067011142⑆ 01 0726233⑈01

DETACH BEFORE DEPOSITING

PURCH. ORDER NO.	INVOICE NO.	AMOUNT	PURCH. ORDER NO.	INVOICE NO.	AMOUNT
		PD 34464	02/21/96		500.00

MAY 16 1993

# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

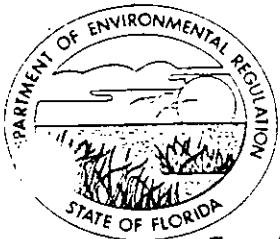
Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666



MAY 7 - 1993

**PERMITTEE:**

Mr. H. P. Lamb  
 Superintendent/Power Resources  
 Fort Pierce Utilities Authority  
 311 North Indian River Drive  
 Fort Pierce, Florida 34950

I.D. NUMBER: 50/WPB/56/0003  
 PERMIT/CERTIFICATION NUMBER: AO 56-190275\*  
 DATE OF ISSUE: MAY 7 - 1993  
 EXPIRATION DATE: February 28, 1996  
 COUNTY: St. Lucie  
 LATITUDE/LONGITUDE: 27°27'00"N/80°19'26"W  
 UTM: Zone 17; 566.4 Km. E; 3036.3 Km. N  
 PROJECT: Ft. Pierce Utilities Authority  
 Units 6 - 8, Diesels 1 and 2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-296, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. 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 and made a part hereof and specifically described as follows:

**OPERATE:** An air pollution source consisting of:

- a) Two (2) General Motors Corporation, Model MP-45, diesel electric generators burning No. 2 fuel oil at 28.9 million BTU/hr. maximum, discharging pollutants through a 3-ft. diameter stack 23 feet above ground level (peaking units);
- b) Babcock & Wilcox Boiler, Unit No. 6, 218.9 million BTU/hr. discharging pollutants through a 5-ft. diameter stack 148 feet above ground level;
- c) A Foster Wheeler Boiler, Unit No. 7, 470 million BTU/hr. maximum; discharging pollutants through a multicyclone collector and a 7.1 ft. diameter stack 147 feet above ground level, and
- d) A Foster Wheeler Boiler, Unit No. 8, 611 million BTU/hr. maximum; discharging pollutants through an 8 foot diameter stack 150 feet above ground level, equipped with continuous in-stack NO<sub>x</sub> and O<sub>2</sub> monitors.

**IN ACCORDANCE WITH:** Settlement Agreement for OGC Case No. 91-1610 signed July 8, 1992; Application for Renewal received December 14, 1990, additional information received January 28, January 31 and February 27, 1991, AC 56-141460 issued March 14, 1988 and modified May 1, 1990; Application to Operate/Construct Air Pollution Sources received December 12, 1985 (Diesels 1 and 2); AC 56-12778 issued September 4, 1979 (Unit 8); and Application to Operate received July 21, 1980 (Units 6 and 7) (none are attached).

**LOCATED AT:** 311 North Indian River Drive, Fort Pierce, St. Lucie County, Florida.

**TO SERVE:** An electric generating utility (SIC # 4911).

**SUBJECT TO:** General Conditions 1-14 and Specific Conditions 1-10.

\*This permit is a renewal of permit no. AO 56-113533 issued February 28, 1986; AO 56-113534 issued February 28, 1986; AO 56-112679 issued February 14, 1986; and AO 56-112678 issued February 14, 1986; and modifies and supersedes permit no. AO 56-190275 issued May 1991.

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 403.141, 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 acknowledgement 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 Florida Statutes 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 credentials or other documents as may be required by law and at reasonable times, 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 the permit, the permittee shall immediately notify and provide the Department with the following information:

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

GENERAL CONDITIONS:

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 403.111 and 403.73, 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 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.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any noncompliance 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. 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 date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

14. 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 the 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 submitted or corrected promptly.

PERMITTEE:  
Mr. H. P. Lamb  
Fort Pierce Utilities Authority  
Fort Pierce, Florida 34950

I.D. NUMBER: 50/WPB/56/0003  
PERMIT/CERTIFICATION NUMBER: AO 56-190275  
DATE OF ISSUE: MAY 7 - 1993  
EXPIRATION DATE: February 28, 1996

SPECIFIC CONDITIONS:

1. Compliance testing shall be conducted for the sources covered by this permit by September 1991 and annually thereafter in accordance with the methods specified below.
2. Emission limiting standards are as follow:
  - a) Units 6, 7, and 8
    - (1) Visible emissions shall not exceed 5% opacity while firing natural gas.  
  
For Units 6 and 7, visible emissions shall not exceed 20% opacity when the unit is burning fuel oil, except for one two-minute period per hour during which opacity shall not exceed 40%.  
  
For Unit 8 visible emissions shall not exceed 20% opacity when the unit is burning fuel oil, except for one six minute period per hour during which opacity shall not exceed 27%.

(2)

A) The emission limits for Units 6,7 and 8 shall not exceed the following rates:

<u>Parameter</u>	<u>Unit 6</u> lb/hr.	<u>Unit 7</u> lb/hr.	<u>Unit 8</u> lb/hr.
PM	0.4	0.568	0.945
SOx	12.38	0.1199	0.1917
NOx	1.31	104.35	173.20
VOC	0.0236	0.266	0.441
CO	0.15	7.589	12.59

B) The total emissions from combined Units 6, 7, and 8 shall not exceed:

<u>Parameter</u>	<u>Tons/Yr.</u>
PM	16.0
SOx	101.6
NOx	622.0
VOC	2.3
CO	45.3

Total combined heat input for the Units 6, 7, and 8 shall not exceed 4,534,930 MBtu per year.

PERMITTEE:  
Mr. H. P. Lamb  
Fort Pierce Utilities Authority  
Fort Pierce, Florida 34950

I.D. NUMBER: 50/WPB/56/0003  
PERMIT/CERTIFICATION NUMBER: AO 56-190275  
DATE OF ISSUE: MAY 7 - 1993  
EXPIRATION DATE: February 28, 1996

SPECIFIC CONDITIONS:

- (3) Natural gas is the only permitted fuel for normal operation for Units 6, 7, and 8. Units 6, 7, and 8 are allowed to burn natural gas with a No. 6 fuel oil (0.8 lbs SOx/MBtu) as a standby fuel for up to a combined total of 400 hours per year, when necessary in order to avoid curtailing electric power service to its customers. FPUA must notify the DER within 24 hours after commencement of oil firing and furnish the following information:
- a. Duration or projected duration of the event.
  - b. Quantity of fuel oil burned or projected to be burned.
  - c. A description of significant circumstances precipitating the event, which shall include:
    - i. Availability of power for purchase
    - ii. Availability of electric transmission capacity relating to power purchases.
    - iii. Availability of natural gas
    - iv. Availability of FPUA generation sources.

- (4) When burning fuel oil in Units 6, 7, and 8, the emission rates set forth in Specific Condition 2(a)2.A above shall not apply and the following rates shall apply to Units 6, 7, and 8:

<u>Parameter</u>	<u>Unit 6</u> lb/MBTU	<u>Unit 7</u> lb/MBTU	<u>Unit 8</u> lb/MBTU
SOx	0.80	0.80	0.80
PM	n/a	0.1	0.1
VOC	n/a	n/a	n/a

- (5) Unit 8
- 1. Continuous emission monitors are required for nitrogen oxides and oxygen.
  - 2. Quarterly excess emissions reports pursuant to 40CFR60 shall be submitted to the Southeast District Office postmarked no later than the 30th day following the end of each calendar quarter.
- (6) Diesels 1 and 2
- Visible emissions shall not exceed 20 percent opacity while using No. 2 fuel oil.

PERMITTEE:  
Mr. H. P. Lamb  
Fort Pierce Utilities Authority  
Fort Pierce, Florida 34950

I.D. NUMBER: 50/WPB/56/0003  
PERMIT/CERTIFICATION NUMBER: AO 56-190275  
DATE OF ISSUE: MAY 7 - 1993  
EXPIRATION DATE: February 28, 1996

**SPECIFIC CONDITIONS:**

3. The compliance test report shall include results of tests by the following method:

<u>Source/Emission Point</u>	<u>Pollutant</u>	<u>Test Method</u>
Diesels 1 & 2 Boilers 6,7, & 8	Visible Emissions	EPA Method 9
Boilers 6,7, & 8	Particulate	EPA Method 5
	SOx	EPA Method 6
	NOx	EPA Method 7,7E
	VOC	EPA Method 25A
	CO	EPA Method 10

The compliance test report shall be submitted to the Department in accordance with Florida Administrative Code (F.A.C.) Rule 17-297.330.

4. Testing of emissions should be conducted using the fuel and/or process input which are expected to result in the highest emissions and within ten percent (10%) of the rated capacity of the source, otherwise the Department may require the test to be repeated or require modification of the permit to reflect tested rates and/or fuels. However, testing on fuel oil in Units 6, 7, and 8 shall be required only if fuel oil usage for the units exceed 400 hours in any calendar year.

5. The Department shall be notified of expected test dates at least fifteen (15) days prior to compliance testing.

On or before March 1 of each calendar year, a completed DER Form 17-210.900(4), Annual Operations Report Form for Air Emissions Sources shall be submitted to the Department.

7. Ambient monitoring for particulate and sulfur dioxide is required if fuel oil usage exceeds 400 hours per calendar year.

8. Copies of all reports, tests, notifications or other submittals required by this permit shall be submitted to the Department of Environmental Regulation, Southeast District Office.

9. The permittee shall be aware of and operate under the attached "General Permit Conditions #1 through 14". General Permit Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.



PERMITTEE:  
Mr. H. P. Lamb  
Fort Pierce Utilities Authority  
Fort Pierce, Florida 34950

I.D. NUMBER: 50/WPB/56/0003  
PERMIT/CERTIFICATION NUMBER: AO 56-190275  
DATE OF ISSUE: MAY 7 - 1993  
EXPIRATION DATE: February 28, 1996

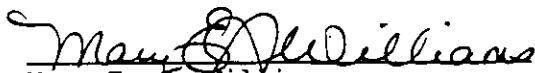
SPECIFIC CONDITIONS:

10. The facility shall maintain unit logs reflecting the following information:

- a. Number of hours per day each unit burns gas.
- b. Number of hours per day each unit burns fuel oil.
- c. Amount of natural gas used per unit (MBTU/million cubic feet burned).
- d. Amount of fuel oil used per unit including sulfur and ash content and heat input rate (MBTU/1000 gallons).

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Mary E. S. Williams  
Director of District Management  
F.D.E.R., Southeast District  
P.O. Box 15425  
West Palm Beach, FL 33416  
407/433-2650

MESW:ms:gml

CERTIFICATE OF SERVICE

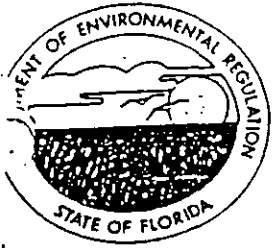
This is to certify that this NOTICE OF PERMIT and all copies were mailed by certified mail before the close of business on MAY 7 - 1993 to the listed persons.

Clerk Stamp

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

  
Clerk

MAY 7 - 1993  
Date



*Florida Department of Environmental Regulation*  
Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary  
Scott Benyon, Deputy Assistant Secretary

PERMITTEE:  
Mr. Harry Schindehette  
Director of Utilities  
Fort Pierce Utilities Authority  
P. O. Box 3191  
Fort Pierce, Florida 33448

I.D. NUMBER: 50/WPB/56/0309  
PERMIT/CERTIFICATION NUMBER: AO 56-175955  
DATE OF ISSUE: MAY 1, 1990  
EXPIRATION DATE: March 30, 1995  
COUNTY: St. Lucie  
LATITUDE/LONGITUDE: 27°27'00"N/80°19'26"W  
UTM: Zone 17; 566.8 Km. E; 3306.3 Km. N  
PROJECT: Fort Pierce Utilities Unit #9  
31.6 MW Combined Cycle Gas Turbine

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-2, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. 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 and made a part hereof and specifically described as follows:

OPERATE: An air pollution source consisting of a Unit #9, 31.6 MW combined cycle gas turbine, (a 23.4 MW combustion turbine generator, a steam generator and an 8.2 MW condensing turbine generator). The unit uses steam injection from the waste heat recovery steam generator to control NO<sub>x</sub> emissions from the gas turbine.

IN ACCORDANCE WITH: Certificate of Completion of Construction received February 7, 1990, AC 56-141460 issued March 24, 1988 and modified October 31, 1988 and Application to Construct Air Pollution Sources dated November 2, 1987 and additional information dated December 17, 1987 (none are attached).

LOCATED AT: Henry D. King Municipal Electric Station, Fort Pierce Utilities Authority, 2nd Street and B Avenue, Fort Pierce, St. Lucie County, Florida.

TO SERVE: An electrical generating facility (SIC # 4311).

SUBJECT TO: General Conditions 1-14 and Specific Conditions 1-13.

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 403.141, 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 acknowledgement 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 Florida Statutes 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 credentials or other documents as may be required by law and at reasonable times, 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 the permit, the permittee shall immediately notify and provide the Department with the following information:

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

GENERAL CONDITIONS:

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 403.111 and 403.73, 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 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.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.12C and 17-30.300, 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. 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 date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

14. 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 the 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 submitted or corrected promptly.

PERMITTEE:  
 Mr. Harry Schindehette  
 Fort Pierce Utilities Authority  
 Fort Pierce, Florida

I.D. NUMBER: 50/WPB/56/0309  
 PERMIT/CERTIFICATION NUMBER: AO 56-175955  
 DATE OF ISSUE: MAY 1 1990  
 EXPIRATION DATE: March 30, 1995

SPECIFIC CONDITIONS:

1. Compliance testing shall be conducted for the sources covered by this permit by September 30, 1990 and annually thereafter in accordance with the methods specified below.
2. Emission limiting standards are as follows:  
 In accordance with AC 56-141460; 40CFR60. Subpart GG, and 17-2.660 -
  - a) NO<sub>x</sub> emissions shall not exceed 84ppm NO<sub>x</sub> or 0.0075  $\frac{(14.4)}{Y} + F.$
  - b) SO<sub>2</sub> emissions shall not exceed 0.015% by volume at 15% oxygen on a dry basis
  - c) Visible emissions shall not exceed 15% opacity. *at MAY 31 11 13 1990*
  - d) The sulfur content of the No. 2 fuel oil shall not exceed 0.5% by weight.
  - e) CO emissions shall not exceed 32.85 lb./hr. and 110.4 ton/yr. when burning natural gas.
3. The compliance test report shall include results of tests by the following methods:

<u>Source/Emission Point</u>	<u>Pollutant</u>	<u>Test Method</u>
Unit #9	SO <sub>2</sub>	EPA Method 20 or ASTM 1552
	CO	EPA Method 10
	NO <sub>x</sub>	EPA Method 20
	VE	EPA Method 9

During performance tests to determine compliance with the proposed standard, measured NO<sub>x</sub> emission at 15 percent oxygen will be adjusted to ISP ambient atmospheric conditions by the following correction factor:

$$NO_x = (NO_x \text{ obs}) \left( \frac{P_{ref}}{P_{obs}} \right)^{0.5} e^{19} (H_{obs} - 0.00633) \left( \frac{T_{AMB}}{288} \right)^{1.53}$$

where:

NO<sub>x</sub> = Emissions of NO at 15% oxygen and ISO standard ambient conditions.

NO obs = Measured NO<sub>x</sub> emission at 15% oxygen, ppmv.

P<sub>ref</sub> = Reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure.

P<sub>bs</sub> = Measured combustor inlet absolute pressure at test ambient pressure.

H<sub>obs</sub> = Specific humidity of ambient air at test.

e = Transcendental constant (2.718)

T<sub>AMB</sub> = Temperature of ambient air at test.

The compliance test report shall be submitted to the Department in accordance with Florida Administrative Code (F.A.C.) Rule 17-2.700(7).