

Appendix H-1, Permit History/ID Number Changes

City of Tallahassee
Sam O. Purdom Generating Station

[DRAFT/PROPOSED/FINAL] Permit No.: 1290001-001-AV
Facility ID No.: 1290001

Permit History (for tracking purposes):

E.U.

<u>ID No</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date</u> ^{1,2}	<u>Revised Date(s)</u>
-001	Boiler #1	AO65-242828	03/25/94	03/01/99		
-002	Boiler #2	AO65-242828	03/25/94	03/01/99		
-003	Boiler #3	AO65-242828	03/25/94	03/01/99		
-004	Boiler #4	AO65-242828	03/25/94	03/01/99		
-005	Boiler #5	AO65-242831	03/08/94	03/01/99		
-006	Boiler #6	AO65-242831	03/08/94	03/01/99		
-007	Boiler #7	AO65-242831	03/08/94	03/01/99		
-008	Combustion Turbine #1	AO65-242827	03/08/94	03/01/99		
-009	Combustion Turbine #2	AO65-242827	03/08/94	03/01/99		

(if applicable) ID Number Changes (for tracking purposes):

From: **Facility ID No.:** 10TLH6500001

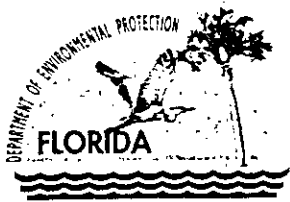
To: **Facility ID No.:** 1290001

Notes:

1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.

2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.

{Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits}



Department of Environmental Protection

Barbara

Boilers #
1-4

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

September 26, 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Robert E. McGarrah, Production Superintendent
City of Tallahassee, Electric Utility
2602 Jackson Bluff Road
Tallahassee, Florida 32304

Re: Request for Additional Information Regarding Initial Title V Permit Application
File No.: 1290001-001-AV
Sam O. Purdom Generating Station, Wakulla County

Dear Mr. McGarrah:

The initial Title V permit application for the Sam O. Purdom Generating Station was received in a timely manner (June 14, 1996) and has been deemed complete by default. However, in order to continue processing this application, the Department is requesting the additional information outlined below. Should your response to any of the listed items require new calculations, please submit the new calculations, assumptions, reference material and appropriate revised pages of the application form.

1. The Department's records indicate that you have a valid air operation permit (AO65-242828) for boilers 1-4 that expires on March 1, 1999. However, the initial Title V application does not mention their existence. It is our understanding that these boilers are in a "cold stand-by" mode and may be in the process of being dismantled. Please provide either the appropriate application data for boilers 1-4, or if you choose not to obtain a Title V permit for those boilers and are indeed dismantling them, you should submit a letter to the entity that issued the permit that states that you are surrendering it and provide a copy of the letter to the Title V Section in Tallahassee.
2. The application data for boilers 5 and 6 request an SO₂ limit of 1.3 lb/MMBtu. The limit that was established in the State Implementation Plan (SIP), which is contained in Rule 62-296.405(1)(c)1.h., Florida Administrative Code (F.A.C.), is 1.87 lb/MMBtu. The Department is not able to use the Title V permit as a means of altering the SIP standards. Therefore, we intend to issue the Title V permit with the SIP limit of 1.87 lb/MMBtu. If you choose to change the limit through the SIP process, please advise. At that time, I will tell you how it needs to be done.

Mr. Robert E. McGarrah
City of Tallahassee, Electric Utilities
Additional Information Request
Page 2 of 2

The above comments require a written response to the Department within ninety days of receipt of this notice unless additional time is requested pursuant to Rule 62-213.420(1)(b)6., F.A.C.

If you should have any questions, please contact Jonathan Holtom or me at (904) 488-1344.

Sincerely,



John C. Brown, Jr., P.E.

Administrator
Title V Section

JCB/jh

CC: Mr. Darrel Graziani, P.E., Foster Wheeler Environmental Corporation
Mr. Ed Middleswart, Northwest District Office
Mr. Gerry Neubauer, DEP, Northwest District Branch Office

Cold Standby

F



Florida Department of Environmental Protection

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

PERMITTEE:
City of Tallahassee

I.D. Number: 10TLH65000101-04
Permit/Certification Number: AO65-242828
Date of Issue: March 25, 1994
Expiration Date: March 1, 1999
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"W
Project: Purdom Boilers Nos. 1-4

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called 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:

Operation of Boilers 1-4, each with a heat input capacity of 115 million Btu/hour producing nominally 85,000 pounds of steam per hour to run a nominal 7,500 kw turbine-generator. Boilers 1 and 2 are fueled with No. 6 fuel oil; Boilers 3 and 4 are fueled with natural gas and/or No. 6 fuel oil.

Located on the east side of SR 363 in St. Marks.

Specific Condition No. 2 establishes a maximum operating and testing rate.

Specific Condition No. 3 establishes requirements prior to any future operation.

Specific Condition No. 5 identifies allowable emissions.

Specific Condition No. 6 identifies compliance testing requirements.

Specific Condition No. 7 identifies the maximum fuel oil sulfur content.

Specific Condition No. 9 requires submission of annual operation reports.

Specific Condition No. 10 requires submission of a Major Air Pollution Source Annual Operation Fee Form.

Specific Condition No. 12 requires submission of a renewal operation permit application by December 31, 1998.

PERMITTEE:
City of Tallahassee

I.D. Number: 10TLH65000101-04
Permit/Certification Number: AO65-242828
Date of Issue: March 25, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

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1. The attached General Conditions are part of this permit.

2. The maximum allowable heat input is 115 million Btu per hour per boiler. Testing of particulate emissions shall be conducted with the source operating at capacity. Capacity is defined as 90 to 100% of the maximum allowable heat input rate for the fuel or mix of fuels being burned. If it is impracticable to test at capacity, then sources may be tested at less than capacity; if the source is tested at less than capacity, subsequent source operation on the fuel or fuel mix burned during testing is limited to 110% of the test capacity until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit with prior notification to the Department.

EU

3. These boilers shall not be operated unless:

F?

A. The Permittee advises the Department in writing at least 14 days prior to such resumed operation.

B. A visible emissions compliance test is conducted within the first 30 days of operation.

4. The maximum hours of operation are 24 hours/day, 7 days/week, and 52 weeks/year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.

EU

5. The maximum allowable emission rate for each pollutant per source is as follows:

EU

Pollutant	FAC Rule	Allowable Emission Rate
VE	17-296.406 17-210.700	20% opacity* 60% during Excess Emissions
PM	17-296.406(BACT) 17-210.700	0.1 lb/MMBtu** 0.3 lb/MMBtu during Excess Emissions**
SO ₂	17-296.406(BACT)	1.87 lb/MMBtu

*Except for one two minute period/hour of not more than 40% opacity.

**Emissions of particulate matter shall not exceed 0.1 (normal operations) and 0.3 (during excess emissions) lbs/MMBtu heat input when firing fuel oil. No particulate matter limit shall apply when firing natural gas. The excess emissions provisions of F.A.C. Rule 17-210.700 shall apply during periods of startup, shut down and malfunctions.

PERMITTEE:
City of Tallahassee

I.D. Number: 10TLH65000101-04
Permit/Certification Number: AO65-242828
Date of Issue: March 25, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

6. Emissions tests for the following pollutants for each source shall be performed between July 1 and September 30 during each year the source is operated in accordance with the test methods and frequency indicated, with notification to the Department 15 days prior to testing. An emission test conducted pursuant to specific condition 3 shall serve as the initial annual test. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. For good cause, the Permittee may request an extension of a compliance test due date. However, inadequate planning of testing does not constitute good cause for an extension of the compliance test due date. The test report documentation must be submitted to the Department within 45 days after completion of testing.

<u>Pollutant</u>	<u>Frequency</u>	<u>Test Method</u>
VE*	Annually, during normal operations Annually, during "excess emissions", when applicable	DEP 9
PM*,*1	Annually Annually, during "excess emission", when applicable	EPA 1, 2, 3, 5 or 17

* Shall be conducted using the maximum fuel oil to gas ratio in use during the current test year.

*1 No particulate or visible emissions test shall be required in any federal fiscal year in which the fossil fuel steam generator did not burn fuel oil for more than 400 hours other than during startup.

The VE test shall be conducted during on the the PM test runs. Test reports shall comply with F.A.C. Rule 17-297.570, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 17-297.340(2).

7. If fueled 100% by oil the sulfur content of the oil shall not exceed 1.8% by weight. Records of fuel oil sulfur content shall be kept and made available for Department inspections.

8. Satisfactory ladders, platforms, and other safety devices as well as necessary parts shall be provided, maintained, and made available as necessary to facilitate compliance inspections.

9. An annual operation report [DEP Form 17-210.900(4) attached] shall be submitted by March 1 each year. The attached form shall be reproduced by the Permittee and used for future annual submittals.

PERMITTEE:
City of Tallahassee

I.D. Number: 10TLH65000101-04
Permit/Certification Number: AO65-242828
Date of Issue: March 25, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

10. In accordance with F.A.C. Rule 17-213, a Major Air Pollution Source Annual Operation Fee Form [DEP Form 17-213.900(11) attached] must be completed and submitted with appropriate fee between January 15 and March 1 of each year. If the Department has not received the fee payment by March 1, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee, plus interest on such amount computed in accordance with s.220.807, Florida Statutes. The Department may revoke any major air pollution source operation permit if it finds that the permit holder has failed to pay timely and required annual operation license fee, penalty or interest. The attached form shall be reproduced by the Permittee and used for future annual submittals. The completed form and appropriate fees must be submitted to the Department of Environmental Protection, Title V (Facility I.D. Number), 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

11. This source shall be operated in such a fashion so as to preclude objectionable odors.

12. An application to renew this permit shall be submitted prior to December 31, 1998.

13. The permanent source identification numbers for these point sources are:

10TLH65000101 - Boiler 1
10TLH65000102 - Boiler 2
10TLH65000103 - Boiler 3 (Also natural gas fired)
10TLH65000104 - Boiler 4 (Also natural gas fired)

Please cite the appropriate number on all test reports and other correspondence specific to a permitted point source.

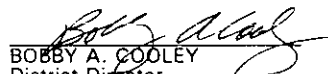
14. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, use telephone number (904) 488-3704 during normal working hours.

Expiration Date:

Issued this 25th day of March,
1994.

March 1, 1999

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


BOBBY A. COOLEY
District Director



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachmann, Secretary

John Shearer, Assistant Secretary
Robert Krieger, Deputy Assistant Secretary

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000101 & 10TLH65000102
Permit/Certification Number: A065-159968
Date of Issue: March 3, 1989
Date of Modification: MAR 16 1989
Expiration Date: March 1, 1994
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"W
Section/Township/Range: 2/4S/1E
Project: Purdom Boilers #1 & 2

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called 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:

Operation of Boilers #1 and #2, capacity 115 million Btu/hour heat input (each), fueled by #6 fuel oil. Each produces 85,000 pounds of steam per hour to run a 7,500 KW turbine-generator. Particulates are controlled by proper combustion. Sulfur dioxide emissions are controlled by the sulfur content of fuel.

These boilers have not operated since 1980. The Department must be notified prior to any future operation.

Located: East side of SR 363 in St. Marks.

PERMITTEE:

City of Tallahassee

I.D. Number: 10TLH65000101 & 10TLH65000102
Permit/Certification Number: A037-159968
Date of Issue: March 3, 1989
Date of Modification: MAR 16 1989
Expiration Date: March 1, 1994

GENERAL CONDITIONS:

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 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable heat input is 115 million Btu per hour each. This is the heat input at which compliance with standards shall be demonstrated.
16. These sources shall not be operated unless:
- The permittee advises the Department in writing prior to such resumed operation, and
 - a visible emissions compliance test is conducted within the first 30 days of such operation.
17. Visible emissions shall not exceed 20 opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
18. Sulfur dioxide emissions shall not exceed 1.87 pounds per million Btu of heat input. The sulfur content of the oil shall not exceed 1.80%.
19. Visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA Method 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing. A test run in accordance with condition 16B shall serve as the first such annual test. Annual tests are waived if not operated. The two boilers will be individually treated by all conditions of this permit.
20. An annual operation reports (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached forms shall be reproduced by the permittee and used for future annual submittals.

PERMITTEE:

City of Tallahassee

I.D. Number: 10TLH65000101 & 10TLH65000102

Permit/Certification Number: A037-159968

Date of Issue: **MAR 03 1989**

Expiration Date: March 1, 1994

SPECIFIC CONDITIONS:

21. An application to renew this permit shall be submitted prior to January 1, 1994.


22. The permanent source identification numbers for this point source is 10TLH65000101 Purdom boiler #1 and 10TLH65000102 Purdom boiler #2. Please cite these numbers on all test reports and other correspondence specific to this permitted point source.

Expiration date:

Issued this 3rd day of March,
1989.

March 1, 1994

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
Deputy Assistant Secretary



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachmann, Secretary

John Shearer, Assistant Secretary
Robert Kneigel, Deputy Assistant Secretary

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000103 & 10TLH65000104
Permit/Certification Number: A065-159969
Date of Issue: March 3, 1989
Date of Modification: **MAR 16 1989**
Expiration Date: March 1, 1994
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"W
Section/Township/Range: 2/4S/1E
Project: Purdom Boilers #3 & 4

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called 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:

Operation of Boilers #3 and #4, capacity 115 million Btu/hour heat input (each), fueled by #6 fuel oil and/or natural gas. Each produces 85,000 pounds of steam per hour to run a 7,500 KW turbine-generator. Particulates are controlled by proper combustion. Sulfur dioxide emissions are controlled by the sulfur content of fuel.

These boilers have not operated since 1982. The Department must be notified prior to any future operation.

Located: East side of SR 363 in St. Marks.

PERMITTEE:

City of Tallahassee

I.D. Number: 10TLH65000103 & 10TLH65000104
Permit/Certification Number: A037-159969
Date of Issue: March 3, 1989
Date of Modification: **MAR 16 1989**
Expiration Date: March 1, 1994

GENERAL CONDITIONS:

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 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable heat input is 115 million Btu per hour each. This is the heat input at which compliance with standards shall be demonstrated.
16. These sources shall not be operated unless:
- The permittee advises the Department in writing prior to such resumed operation, and
 - a visible emissions compliance test is conducted within the first 30 days of such operation.
17. Visible emissions shall not exceed 20 opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
18. Sulfur dioxide emissions shall not exceed 1.87 pounds per million Btu of heat input. If fueled by 100% oil, sulfur content of the oil shall not exceed 1.80%.
19. Visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA Method 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing. A test run in accordance with condition 16B shall serve as the first such annual test. Annual tests are waived if not operated. The two boilers will be individually treated by all conditions of this permit.
20. An annual operation reports (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached forms shall be reproduced by the permittee and used for future annual submittals.

PERMITTEE:
City of Tallahassee

I.D. Number: 10TLH65000103 & 10TLH65000104
Permit/Certification Number: A037-159969
Date of Issue: **MAR 03 1989**
Expiration Date: March 1, 1994

SPECIFIC CONDITIONS:

21. An application to renew this permit shall be submitted prior to January 1, 1994.

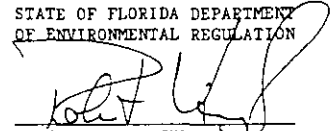
22. The permanent source identification numbers for this point source is 10TLH65000103 Purdom boiler #3 and 10TLH65000104 Purdom boiler #4. Please cite these numbers on all test reports and other correspondence specific to this permitted point source.

Expiration date:

Issued this 3rd day of March,
1989.

March 1, 1994

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
Deputy Assistant Secretary

Add to History Table

Boilers
5, 6, & 7

BEST AVAILABLE CONTROL TECHNOLOGY (BACT) DETERMINATION
City of Tallahassee, Purdom Generating Station Auxiliary Boiler
Wakulla County

Post/Fax No	7671
To	Bob Kriegel
Co/Dept	DEPM
Phone #	
Date	
From	ANDY ALEX
Co.	NWD AIR
Phone #	102 921
# of pages	

The City of Tallahassee submitted a construction permit application September 23, 1996 for an auxiliary boiler to be located at their Purdom Generating Station, Wakulla County. The proposed boiler is a 16.74 MMBtu/hr natural gas fired boiler that will be used for steam only when the existing, larger steam generating units (boilers 5,6, or 7) are not operating.

This BACT determination is required for the source as set forth in FAC Rule 62-296.406 - Fossil Fuel Steam Generators with Less than 250 MMBtu/hr Heat Input.

BACT Determination Requested by Applicant:

Particulate matter and sulfur dioxide emissions shall be controlled by the firing of natural gas and operation of this proposed auxiliary boiler only when the existing steam generating units are not operating.

Date of Receipt of BACT Application: September 23, 1996

BACT Determination by DEP:

As requested by applicant.

BACT Determination Rationale:

Emissions will be minimal as a result of firing clean burning natural gas. Additionally, any emissions associated with this proposed auxiliary boiler will be offset by not operating the existing, larger steam generating units.

Details of the Analysis May be Obtained by Contacting:

Bob Kriegel
Department of Environmental Protection
160 Governmental Center
Pensacola, FL 32503

Recommended by:

A.S. Allen for Bob

Bob Kriegel
Environmental Specialist

Approved by:

Ed Middleswart
10/8/96

Ed Middleswart, P.E.
Air Program Administrator



Lawton Chiles
Governor

Florida Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia R. Wetherell
Secretary

WR 3/19

PERMITTEE:

City of Tallahassee
Sam O. Purdom Power Plant

I.D. Number: 10TLH65000105,06,07
Permit/Certification Number: AO65-242831
Date of Issue: March 8, 1994
Expiration Date: March 1, 1999
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"W
Project: Purdom Boilers 5,6,7

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called 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:

Operation of Boilers 5, 6, and 7 at the City of Tallahassee's Purdom Power Plant. Boilers 5 and 6 each have a maximum 300 MMBtu/hr heat input, are natural gas and/or No. 6 fuel oil fired, produce nominally 220,000 pounds of steam per hour, and each run a nominal 22 MW turbine-generator. Boiler 7 has a maximum 621 MMBtu/hr heat input, is fired with natural gas and/or No. 6 fuel oil, produces nominally 500,000 pounds of steam per hour, and runs a nominal 44 MW turbine-generator.

Located on the east side of State Road 363 in St. Marks.

Specific Condition No. 2 establishes maximum allowable operating and testing rates.

Specific Condition No. 4 establishes maximum allowable emission rates.

Specific Condition No. 5 establishes compliance testing requirements.

Specific Condition No. 6 limits fuel oil sulfur content.

Specific Condition No. 8 requires submission of an annual operation report.

Specific Condition No. 9 requires submission of a Major Air Pollution Source Annual Operation Fee Form.

Specific Condition No. 10 requires submission of a renewal permit application by December 31, 1998.



Lawton Chiles
Governor

Florida Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia R. Wetherell
Secretary

April 8, 1994

Jennette Curtis
Environmental Services Administrator
Electric Department
City of Tallahassee
300 South Adams Street
Tallahassee, Florida 32301-1731

Dear Ms. Curtis:

This is in response to your letter dated March 29, 1994 to Andrew Allen, requesting additional changes to permits AO65-242831, AO37-242824 and AO65-242827.

Concerning specific condition 5 of permit AO65-242831 for Purdom Boilers 5, 6 and 7, you asked that the third sentence be deleted. This clarifies that testing shall be conducted using the maximum fuel oil to gas ratio in use during the current test year as stated in the footnote and is consistent with the language in other permits issued to the City. This request is approved, and this letter deletes that sentence which read as follows:

The tests shall be conducted using the maximum fuel/natural gas ratio to be used during the subsequent operating year.

Concerning specific condition 18 of permit AO37-242824, you asked that specific condition 18 be renumbered to 11 to be in numerical sequence. This request is approved.

Please make the appropriate changes to your permits and attach a copy of this letter to the permits.

If you have any questions, please contact Bob Kriegel of this office at (904) 444-8364.

Sincerely,

Bobby A. Cooley
Bobby A. Cooley
District Director

BAC:bkc
cc: DEP Tallahassee Branch Office

PERMITTEE:
City of Tallahassee
Sam O. Purdom Power Plant

I.D. Number: 10TLH65000105,06,07
Permit/Certification Number: AO65-242831
Date of Issue: March 8, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

1. The attached General Conditions are part of this permit.
2. The maximum allowable heat input rate is for Boilers 5 and 6 is 300 MMBtu/hour per boiler. The maximum allowable heat input rate for Boiler 7 is 1 MMBtu/hour. Testing of particulate emissions shall be conducted with the source operating at capacity. Capacity is defined as 90 to 100% of the maximum allowable heat input rate for the fuel or mix of fuels being burned. If it is impracticable to test at capacity, then sources may be tested at less than capacity; if the source is tested at less than capacity subsequent source operation is limited to 110% of the test capacity until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department.
3. The maximum hours of operation are 24 hours/day, 7 days/week, and 52 weeks/year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.
4. The maximum allowable emission rate for each pollutant per source is as follows:

Pollutant	FAC Rule	Allowable Emission Rate
VE	17-296.405 17-210.700	20% opacity * 60% during Excess Emissions
PM	17-296.405 17-210.700	0.1 lbs/MMBtu heat input ** 0.3 lbs/MMBtu heat input during Excess Emissions **
SO ₂	17-296.405	1.87 lbs/MMBtu heat input

* except for one two-minute period per hour of not more than 40% opacity

** Emissions of particulate matter shall not exceed 0.1 (normal operations) and 0.3 (during excess emissions) lbs/MMBtu heat input when firing fuel oil. No particulate matter limit shall apply when firing natural gas.

The excess emissions provisions of F.A.C. Rule 17-210.700 shall apply during periods of startup, shutdown and malfunctions.

PERMITTEE:
City of Tallahassee
Sam O. Purdom Power Plant

I.D. Number: 10TLH65000105,06,07
Permit/Certification Number: AO65-242831
Date of Issue: March 8, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

5. Emissions tests for the following pollutants for each source shall be performed annually between July 1 and September 30, in accordance with the test methods and frequency indicated below, with notification to the Department 15 days prior to testing. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum heat input rate. The tests shall be conducted using the maximum fuel oil/natural gas ratio to be used during the subsequent operating year. For good cause, the Permittee may request an extension of a compliance test due date. However, inadequate planning of testing does not constitute good cause for an extension of the compliance test due date. The test report documentation must be submitted to the Department within 45 days after completion of testing.

Pollutant	Frequency	Test Method
VE*	Annually, during normal operation Annually, during excess emissions, when applicable	DEP 9 DEP 9
PM*,*1	Annually Annually, during excess emissions, when applicable	EPA 1, 2, 3 and 5, or 17 EPA 1, 2, 3 and 5, or 17

* shall be conducted using the maximum fuel oil to gas ratio in use during the current test year

*1 No particulate tests shall be required in any federal fiscal year in which the fossil fuel steam generator did not burn fuel oil for more than 400 hours, other than during startup.

The VE test shall be conducted during one of the P.M. test runs. Test reports shall comply with F.A.C. Rule 17-297.570, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 17-297.340(2).

6. If fueled 100% by oil the sulfur content of the oil shall not exceed 1.8% sulfur by weight. Records of fuel sulfur content shall be kept and made available for Department inspections.

7. Satisfactory ladders, platforms, and other safety devices as well as necessary parts shall be provided, maintained, and made available as necessary to facilitate compliance inspections.

8. An annual operation report [DEP Form 17-210.900(4) attached] shall be submitted by March 1 each year. The attached form shall be reproduced by the Permittee and used for future annual submittals.

PERMITTEE:

City of Tallahassee
Sam O. Purdom Power Plant

I.D. Number: 10TLH65000105,06,07
Permit/Certification Number: AO65-242831
Date of Issue: March 8, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

9. In accordance with F.A.C. Rule 17-213, a Major Air Pollution Source Annual Operation Fee Form (DEP Form 17-213.900(11) attached) must be completed and submitted with appropriate fee between January 15 and March 1 of each year. If the Department has not received the fee payment by March 1, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee, plus interest on such amount computed in accordance with s.220.807, Florida Statutes. The Department may revoke any major air pollution source operation permit if it finds that the permit holder has failed to pay timely and required annual operation license fee, penalty or interest. The attached form shall be reproduced by the Permittee and used for future annual submittals. The completed form and appropriate fees must be submitted to the Department of Environmental Protection, Title V (Facility I.D. Number), 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

10. An application to renew this permit shall be submitted prior to December 31, 1998.

11. The permanent source identification number for these point sources are:

10TLH65000105 - Boiler 5
10TLH65000106 - Boiler 6
10TLH65000107 - Boiler 7

Please cite these numbers on all test reports and other correspondence specific to a permitted point source.

12. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, use telephone number (904) 444-8300 during normal working hours.

Expiration Date:

March 1, 1999

Issued this 8th day of March,
1994.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


BOBBY A. COOLEY
District Director



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachmann, Secretary

John Shearer, Assistant Secretary
Robert Kriepel, Deputy Assistant Secretary

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000105
Permit/Certification Number: A065-159970
Date of Issue: March 3, 1989
Date of Modification: **MAR 16 1989**

Expiration Date: March 1, 1994
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"
Section/Township/Range: 2/4S/1E
Project: Purdom Boiler #5

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called 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:

Operation of Boiler #5, capacity 300 million Btu/hour heat input, fueled by natural gas and/or #6 fuel oil. Produces 220,000 pounds of steam per hour to run a 22,500 KW turbine-generator. Particulates are controlled by proper combustion control. Sulfur dioxide emissions are controlled by the sulfur content of fuel.

Located: East side of State Road 363 in St. Marks.

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000105
Permit/Certification Number: A065-159970

Date of Issue: **MAR 03 1989**

Expiration Date: March 1, 1994

GENERAL CONDITIONS:

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 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable heat input is 300 million Btu per hour. Compliance with standards shall be demonstrated while the source is operating within 10% of its rated capacity, provided however that testing may be conducted at less than 90% of rated capacity in which case the source's production rate shall be limited to 110% of the capacity at which the test was performed until additional compliance testing is performed.

16. An annual compliance test for particulate matter emissions using the maximum oil/gas fuel heat input ratio shall be conducted during each federal fiscal year (October 1 - September 30) except that such test shall not be required in any year in which the fossil fuel steam generator did not burn liquid fuel for more than 400 hours.

17. For excess emission limitations for particulate matter specified in Section 17-2.250, a compliance test shall be conducted annually while the source is operating under soot blowing conditions in any federal fiscal year during which soot blowing is part of normal source operation except that such test shall not be required in any fiscal year in which the fossil fuel steam generator did not burn liquid fuel more than 400 hours.

18. Annual compliance tests for particulate matter shall be conducted in accordance with EPA Methods 1, 2, 3, and 5 or 17. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

19. Visible emissions tests (EPA Method 9) shall be conducted annually using the maximum oil/gas fuel ratio. Visible emissions shall not exceed 20% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.

20. Visible emissions tests (EPA Method 9) shall be conducted annually using the maximum oil/gas fuel ratio, under sootblowing conditions in any federal fiscal year during which soot blowing is part of normal source operation. Excess emissions resulting from boiler cleaning (soot blowing) and load change shall be permitted provided the duration of such excess emissions shall not exceed 3 hours in any 24 hour period and visible emissions shall not exceed 60% opacity.

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000105
Permit/Certification Number: A065-159970
Date of Issue: March 3, 1989
Date of Modification: **MAR 16 1989**
Expiration Date: March 1, 1994

SPECIFIC CONDITIONS:

21. Particulate emissions shall not exceed 0.10 pounds per million Btu heat input.
22. Particulate emissions shall not exceed 0.30 pounds per million Btu heat input, during soot blowing.
23. Sulfur dioxide emissions shall not exceed 1.87 pounds per million Btu of total heat input. If fueled 100% by oil the sulfur content of the oil shall not exceed 1.80%.
24. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 of each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
25. An application to renew this permit shall be submitted prior to January 1, 1994.
26. The permanent source identification number for this point source is 10TLH65000105. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration date:

March 1, 1994

Issued this 3rd day of March,
1989.
Date of Modification: **MAR 16 1989**
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
Deputy Assistant Secretary



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary
Robert Kregel, Deputy Assistant Secretary

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000106
Permit/Certification Number: A065-159971
Date of Issue: March 3, 1989
Date of Modification: MAR 16 1989

Expiration Date: March 1, 1994
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"
Section/Township/Range: 2/4S/1E
Project: Purdom Boiler #6

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called 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:

Operation of Boiler #6, capacity 300 million Btu/hour heat input, fueled by natural gas and/or #6 fuel oil. Produces 220,000 pounds of steam per hour to run a 22,500 KW turbine-generator. Particulates are controlled by proper combustion control. Sulfur dioxide emissions are controlled by the sulfur content of fuel.

Located: East side of State Road 363 in St. Marks.

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000106
Permit/Certification Number: A065-159971
Date of Issue: MAR 03 1989

Expiration Date: March 1, 1994

GENERAL CONDITIONS:

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 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable heat input is 300 million Btu per hour. Compliance with standards shall be demonstrated while the source is operating within 10% of its rated capacity, provided however that testing may be conducted at less than 90% of rated capacity in which case the source's production rate shall be limited to 110% of the capacity at which the test was performed until additional compliance testing is performed.

16. An annual compliance test for particulate matter emissions using the maximum oil/gas fuel heat input ratio shall be conducted during each federal fiscal year (October 1 - September 30) except that such test shall not be required in any year in which the fossil fuel steam generator did not burn liquid fuel for more than 400 hours.

17. For excess emission limitations for particulate matter specified in Section 17-2.250, a compliance test shall be conducted annually while the source is operating under soot blowing conditions in any federal fiscal year during which soot blowing is part of normal source operation except that such test shall not be required in any fiscal year in which the fossil fuel steam generator did not burn liquid fuel more than 400 hours.

18. Annual compliance tests for particulate matter shall be conducted in accordance with EPA Methods 1, 2, 3, and 5 or 17. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

19. Visible emissions tests (EPA Method 9) shall be conducted annually using the maximum oil/gas fuel ratio. Visible emissions shall not exceed 20% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.

20. Visible emissions tests (EPA Method 9) shall be conducted annually using the maximum oil/gas fuel ratio, under sootblowing conditions in any federal fiscal year during which soot blowing is part of normal source operation. Excess emissions resulting from boiler cleaning (soot blowing) and load change shall be permitted provided the duration of such excess emissions shall not exceed 3 hours in any 24 hour period and visible emissions shall not exceed 60% opacity.

PERMITTEE:
City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000106
Permit/Certification Number: A065-159971
Date of Issue: March 3, 1989
Date of Modification: **MAR 16 1989**
Expiration Date: March 1, 1994

SPECIFIC CONDITIONS:

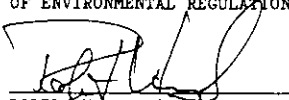
21. Particulate emissions shall not exceed 0.10 pounds per million Btu heat input.
22. Particulate emissions shall not exceed 0.30 pounds per million Btu heat input, during soot blowing.
23. Sulfur dioxide emissions shall not exceed 1.87 pounds per million Btu of total heat input. If fueled 100% by oil the sulfur content of the oil shall not exceed 1.80%.
24. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 of each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
25. An application to renew this permit shall be submitted prior to January 1, 1994.
26. The permanent source identification number for this point source is 10TLH65000106. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration date:

Issued this 3rd day of March,
1989.

March 1, 1994

Date of Modification: **MAR 16 1989**
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
Deputy Assistant Secretary



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary
Robert Kregel, Deputy Assistant Secretary

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000107
Permit/Certification Number: A065-159972
Date of Issue: March 3, 1989
Date of Modification: MAR 16 1989

Expiration Date: March 1, 1994
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"
Section/Township/Range: 2/4S/1E
Project: Purdom Boiler #7

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called 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:

Operation of Boiler #7, capacity 621 million Btu/hour heat input, fueled by natural gas and/or #6 fuel oil. Produces 500,000 pounds of steam per hour to run a 44,000 KW turbine-generator. Particulates are controlled by proper combustion control. Sulfur dioxide emissions are controlled by the sulfur content of fuel.

Located: East side of State Road 363 in St. Marks.

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000107
Permit/Certification Number: A065-159972
Date of Issue: MAR 03 1989
Expiration Date: March 1, 1994

GENERAL CONDITIONS:

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 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable heat input is 621 million Btu per hour. Compliance with standards shall be demonstrated while the source is operating within 10% of its rated capacity, provided however that testing may be conducted at less than 90% of rated capacity in which case the source's production rate shall be limited to 110% of the capacity at which the test was performed until additional compliance testing is performed.

16. An annual compliance test for particulate matter emissions using the maximum oil/gas fuel heat input ratio shall be conducted during each federal fiscal year (October 1 - September 30) except that such test shall not be required in any year in which the fossil fuel steam generator did not burn liquid fuel for more than 400 hours.

17. For excess emission limitations for particulate matter specified in Section 17-2.250, a compliance test shall be conducted annually while the source is operating under soot blowing conditions in any federal fiscal year during which soot blowing is part of normal source operation except that such test shall not be required in any fiscal year in which the fossil fuel steam generator did not burn liquid fuel more than 400 hours.

18. Annual compliance tests for particulate matter shall be conducted in accordance with EPA Methods 1, 2, 3, and 5 or 17. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

19. Visible emissions tests (EPA Method 9) shall be conducted annually using the maximum oil/gas fuel ratio. Visible emissions shall not exceed 20% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.

20. Visible emissions tests (EPA Method 9) shall be conducted annually using the maximum oil/gas fuel ratio, under sootblowing conditions in any federal fiscal year during which soot blowing is part of normal source operation. Excess emissions resulting from boiler cleaning (soot blowing) and load change shall be permitted provided the duration of such excess emissions shall not exceed 3 hours in any 24 hour period and visible emissions shall not exceed 60% opacity.

PERMITTEE:

City of Tallahassee
Sam O. Purdom Plant

I.D. Number: 10TLH65000107
Permit/Certification Number: A065-159972
Date of Issue: March 3, 1989
Date of Modification: **MAR 16 1989**
Expiration Date: March 1, 1994

SPECIFIC CONDITIONS:

21. Particulate emissions shall not exceed 0.10 pounds per million Btu heat input.
22. Particulate emissions shall not exceed 0.30 pounds per million Btu heat input, during soot blowing.
23. Sulfur dioxide emissions shall not exceed 1.87 pounds per million Btu of total heat input. If fueled 100% by oil the sulfur content of the oil shall not exceed 1.80%.
24. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 of each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
25. An application to renew this permit shall be submitted prior to January 1, 1994.
26. The permanent source identification number for this point source is 10TLH65000107. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration date:

March 1, 1994

Issued this 3rd day of March,
1989.

Date of Modification: **MAR 16 1989**

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



ROBERT V. KRIEGEL
Deputy Assistant Secretary



Department of Environmental Protection

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

CT's 142

PERMITTEE:

City of Tallahassee
Sam O. Purdom Generating Station

I.D. Number: 10TLH65000108,09
Permit/Certification Number: AO65-242827
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Expiration Date: March 1, 1999
County: Wakulla
Latitude/Longitude: 30°09'30"N\84°12'00"W
Project: Purdom Combustion Turbines 1 & 2

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called 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:

Operation of combustion turbines 1 and 2, manufactured by Westinghouse, model W171G, each with a heat input rate of 228 MMBtu/hour, fueled by natural gas or No. 2 fuel oil with a maximum of 0.4% sulfur. These turbines are used as peaking units during peak demand hours, during emergencies, and during controls testing; and each runs a nominal 12.3 MW generator.

Located on the east side of SR 363 in St. Marks, Wakulla County.

Specific Condition No. 2 establishes maximum operating and testing rates.

Specific Condition No. 4 establishes maximum allowable emission rates.

Specific Condition No. 5 establishes testing requirements.

Specific Condition No. 6 limits the sulfur content of the fuel oil.

Specific Condition No. 7 requires submission of an annual operation report.

Specific Condition No. 8 requires submission of a Major Air Pollution Source Annual Operation Fee Form.

Specific Condition No. 9 requires submission of a renewal permit application prior to December 31, 1998.

PERMITTEE:

City of Tallahassee

I.D. Number: 10TLH65000108,09
Permit/Certification Number: AO65-242827
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

- The attached General Conditions are part of this permit.
- The maximum allowable heat input rate per combustion turbine is 228 MMBtu/hour (LHV) at an ambient temperature of 80 degrees Fahrenheit. Testing of emissions shall be conducted at 95-100% of the permitted rated heat input based on the average ambient air temperature during the test. Data for correcting heat input rates (corrected for air temperatures other than 80 degrees Fahrenheit) must be submitted with the compliance test report. If it is impracticable to test at 95-100% of the maximum allowable heat input rate corrected for the average ambient air temperature, then sources may be tested at less than 95% of the maximum allowable heat input. If the source is tested at less than 95% of the maximum allowable heat input, subsequent source operation is limited to 110% of the tested heat input rate corrected for average ambient air temperature until a new test is conducted. Once the unit is so limited, then operation at higher capacity is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit with prior notification to the Department.

3. The maximum hours of operation are 6993 hours/year for each turbine. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.

4. The maximum allowable emission rate for each pollutant is as follows:

Pollutant	FAC Rule	Allowable Emissions
VE	17-296.310(2)	less than 20% opacity

The excess emissions provision of F.A.C. Rule 17-210.700 shall apply during periods of startup, shutdown and malfunctions.

5. Emissions tests for the following pollutants shall be performed annually between July 1 and September 30, in accordance with the test methods and frequency indicated, with notification to the Department 15 days prior to testing. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. For good cause, the Permittee may request an extension of a compliance test due date. However, inadequate planning of testing does not constitute good cause for an extension of the compliance test due date. The test report documentation must be submitted to the Department within 45 days after completion of testing.

Pollutant	Frequency	Test Method
VE	Annually	DEP 9

However, with the following exceptions, the visible emissions test shall only be required during those federal fiscal years during which the individual turbines operate greater than 400 hours.

- An initial VE test is required within 15 days of any use of fuel oil.
- A VE test is required in 1998 while operating on fuel oil.

PERMITTEE:
City of Tallahassee

I.D. Number: 10TLH65000108,09
Permit/Certification Number: A065-242827
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Modification Date: June 24, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

6. If fueled 100% by oil the sulfur content of the oil shall not exceed 0.4% sulfur by weight. Records of fuel oil sulfur content shall be kept and made available for Department inspections.

7. An annual operation report [DEP Form 17-210.900(4) enclosed] shall be submitted by March 1 each year. The enclosed form shall be reproduced by the Permittee and used for future annual submittals.

8. In accordance with F.A.C. Rule 17-213, a Major Air Pollution Source Annual Operation Fee Form [DEP Form 17-213.900(11) enclosed] must be completed and submitted with appropriate fee between January 15 and March 1 of each year. If the Department has not received the fee payment by March 1, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee, plus interest on such amount computed in accordance with s.220.807, Florida Statutes. The Department may revoke any major air pollution source operation permit if it finds that the permit holder has failed to pay timely and required annual operation license fee, penalty or interest. The enclosed form shall be reproduced by the Permittee and used for future annual submittals. The completed form and appropriate fees must be submitted to the Department of Environmental Protection, Title V (Facility I.D. Number), 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

9. An application to renew this permit shall be submitted prior to December 31, 1998.

10. The permanent source identification numbers for these point sources are:

10TLH65000108 -- Combustion Turbine No. 1
10TLH65000109 -- Combustion Turbine No. 2

Please cite these numbers on all test reports and other correspondence specific to this permitted point source.

11. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, use telephone number (904) 488-3704 during normal working hours.

Expiration Date:

Modified this 24th day of June,
1994.

March 1, 1999

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


BOBBY A. COOLEY
District Director



Florida Department of Environmental Regulation

Northwest District • 160 Government Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Trachsel, Secretary

John Stearns, Assistant Secretary
Robert Kriegel, Deputy Assistant Secretary

PERMITTEE:

City of Tallahassee
~~Evah B. Hopkins Plant~~

I.D. Number: 10TLH65000108 & 10TLH65000109
Permit/Certification Number: A065-159966
Date of Issue: **MAR 03 1989**

Expiration Date: March 1, 1994
County: Wakulla
Latitude/Longitude: 30°09'30"N/84°12'00"W
Section/Township/Range: 2/4S/1E
Project: Purdom Combustion Turbines #1 & 2

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called 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:

Operation of combustion turbines #1 and #2, manufactured by Westinghouse. These are each model W171G, capacity 182 million Btu/hour heat input, fueled by natural gas or #2 fuel oil with a maximum of 0.4% sulfur. These are used as peaking units rated to each generate 12,300 KW of electricity.

Located: East side of SR 363 in St. Marks.

PERMITTEE:

City of Tallahassee

I.D. Number: 10TLH65000108 & 10TLH65000109
Permit/Certification Number: A065-159966
Date of Issue: March 3, 1989
Date of Modification: **MAR 16 1989**
Expiration Date: March 1, 1994

GENERAL CONDITIONS:

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 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable heat input is 182 million Btu per hour each. Compliance with standards shall be demonstrated while the source is operating within 10% of its rated capacity, provided however that testing may be conducted at less than 90% of rated capacity in which case the source's production rate shall be limited to 110% of the capacity at which the test was performed until additional compliance testing is performed.

16. A visible emissions ^{test} shall be conducted annually in any federal fiscal year. Tests shall be conducted in accordance with EPA Method 9 using #2 fuel oil.

17. The visible emissions test required in condition 16 shall be waived in federal fiscal years ending September 1989 - 1992 for any turbine that is not operated at least 400 hours during a specific year. The test due in 1993 prior to the end of September shall be conducted on each turbine regardless of the number of hours operated. These test results shall be submitted with the application for permit renewal prior to January 1, 1994. The two combustion turbines will be individually treated by all condition of this permit.

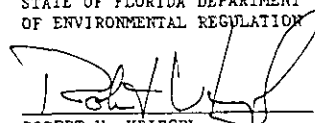
18. An annual operation report for each turbine (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached forms shall be reproduced by the permittee and used for future annual submittals.

19. The permanent source identification numbers for these permit sources are: 10TLH65000108 Combustion Turbine #1 and 10TLH65000109 Combustion Turbine #2. Please cite the appropriate numbers on all test reports and other correspondence specific to one of these permitted point sources.

Expiration date:

March 1, 1994

Issued this 3rd day of March,
1989.
Date of Modification: **MAR 16 1989**
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEDEL
Deputy Assistant Secretary

Memorandum

Florida Department of Environmental Protection

MAR 01 1994

TO : Bobby A. Cooley, P.E.
THROUGH : Ed K. Middleswart, P.E.
FROM : Andy Allen, Bob Krieger
DATE : January 11, 1994
SUBJECT: Evaluation Summary for Operation Permit Application for Combustion Turbines nos. 1 & 2 for the Tallahassee Purdom Power Plant, Wakulla County; APIS nos. 10TLH65000108.09

We recommend issuing an operation permit for Combustion Turbines 1&2 of the Purdom Power Plant for the City of Tallahassee.

Process Description This permit covers the operation of combustion turbines 1&2 at Tallahassee's Purdom Power Plant. These turbines are manufactured by Westinghouse, model W171G, each with a heat input capacity of 182 MMBtu/hr, and are fueled by natural gas or No. 2 fuel oil with a maximum of 0.4% sulfur. These turbines are used as peaking units during peak demand hours, and each produce 12.3 MW electricity.

Pollution Control Equipment Proper combustion and limiting the sulfur content of the fuel oil.

Applicable Rules & Regulations and Environmental Impact This source is regulated in accordance with FAC Rule 17-296.310 - General Particulate Emission Limiting Standards which includes a visible emissions limit of 20% opacity.

Table with 4 columns: Pollutant, FAC Rule, Allowable, Maximum Emissions tons/year. Rows include VE, PM, SO2, CO, NOx, TOC.

* (AP42 factor)X(maximum annual hours)

Compliance Monitoring Annual monitoring for VE when fuel oil (No. 2) use exceeds 400 hours per year.

Compliance History Acceptable.

Additional staff notes are attached.

RVK:bkc

To: Andy Allen
From: Bob Kriegel
Date: January 11, 1993

Re: Review notes for City of Tallahassee application A065-242827 for Purdom Combustion turbines 1&2; APIS nos 10TLH65000108 & 09; Wakulla County

This application was received December 23, 1993 for a renewal operating permit for the Purdom combustion turbines nos 1 and 2, previously permitted by A065-159966. These combustion turbines are manufactured by Westinghouse, model W171G, each with a heat input capacity of 182 MMBtu/hr, and are fueled by natural gas or no. 2 fuel oil with a maximum of 0.4% sulfur. These turbines are used as peaking units during peak demand hours, and each produce 12.3 MW electricity.

These sources were previously permitted by A065-159966, issued March 3, 1989 with an expiration date of March 1, 1994. Specific conditions of the permit included:

SC 15 - established a maximum allowable heat input and test rate of 182 MMBtu per turbine.

SC 16 - required annual visible emissions tests using no. 2 fuel oil.

SC 17 - Waived VE testing if individual turbines were not operated 400 hours/year

SC 18 - Required an annual operation report.

I am unaware of any source specific emission standards or NSPS standards that are applicable. The general VE standards in FAC Rule 17-296.310(2) limit VE to 20% opacity.

To summarize allowable and maximum emissions per year per combustion turbine:

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Allowable Emissions</u>	<u>Maximum Emissions (tons per year)</u>
VE	17-296.310(2)	20% opacity	
PM			10.1 *
SO2			106.6 *
CO			12.7 *
NOX			185 *
TOC			4.5 *

* (AP42 factor)X(maximum annual hours)

The ambient air quality standard for NOX is 100ug/m annual arithmetic mean. The air quality standards for SO2 are: 1300ug/m, max 3 hour; 260 ug/m, max 24 hour; and 60 ug/m annual arithmetic mean. SO2 is slightly more conservative. Source modeling TSCREEN ver 1.2 indicates:

Combustion turbines 1&2 input (per turbine):

Input:

46.2 g/sec --- emissions (SO2)
 11.6m ----- stk height
 3.05m ----- stk dia
 708°K ----- stk exit temp
 25.5 m/s ----- stk exit vel

Output:

3 hour max -- 43.3 ug/m
 24 hour max - 19.3 ug/m
 annual ----- 3.9 ug/m

Even additively doubling these results in predicted ambient concentrations well below the ambient air quality standard for SO2 - and similarly for NOX.

A review of APIS test and operating reports indicates:

AIR050 (Annual Operating Reports)

<u>Source</u>	<u>Year</u>	<u>Date Rcvd</u>	<u>Operation</u> MM CuFt	Hours opn	
08	1992	04/14/93	13	69	
	1991	02/28/92	15	84	
	1990	02/26/91	10	56	
	1989	02/28/90	10	76	
09	1992	04/14/93	4	17	
	1991	02/28/92	15	108	
	1990	02/26/91	13	85	48,000 gal fuel oil
	1989	02/18/90	14	92	

AIR043 (VE)

None on file. However, specific condition 17 of the issued permits, eliminates testing requirements if the source is not operated at least 400 hours - with the exception of 1993 when both turbines are required to be tested and the test results submitted with the application prior to January, 1994.

A review of APIS and our test logs indicates the VE tests required for 1993 (the only tests required during this permit cycle) have not been submitted. However, the application included a 12/16/93 letter to Cooley referencing a letter dated September 17, 1993 and advising the tests had not been done due to the construction of smokeless combustor baskets and control panels. The City requested the test date by extended to June 1, 1994.

Since these units are operated primarily on natural gas, recommend we issue the

renewal operating permit, but require testing by June 1, 1994 or within 15 days of use of the no. 2 fuel oil.

CITY OF TALLAHASSEE
 ELECTRIC DEPARTMENT
 ENVIRONMENTAL AFFAIRS OFFICE
 ROUTE 4, BOX 448
 TALLAHASSEE, FLORIDA 32304



FAX COVER

Office: (904) 891-5890
 Fax: (904) 891-5899
 Office Hours: 7:30 AM - 4:00 PM

FROM: Jennette D. Curtis
 TO: Robert Kriegel
 DATE: June 24, 1994
 Number of Pages (including cover sheet): 6

MESSAGE:

Enclosed is the language (clarification) we discussed.
 Hopefully, these changes can be made prior to
 June 28, 1994. If you have any questions or further
 information is required pls do not hesitate to call us.

Jennette Curtis

Receiving problems contact Kim



Lawton Chiles
Governor

Florida Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

PERMITTEE:

City of Tallahassee
Sam O. Purdom Generating Station

I.D. Number: 10TLH65000108,09
Permit/Certification Number: AO65-242827
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Expiration Date: March 1, 1999
County: Wakulla
Latitude/Longitude: 30°09'30"N\84°12'00"W
Project: Purdom Combustion Turbines 1 & 2

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called 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:

Operation of combustion turbines ^{rate} 1 and 2, manufactured by Westinghouse, model W171G, each with a heat input/capacity of 228 MMBtu/hour, fueled by natural gas or No. 2 fuel oil with a maximum of 0.4% sulfur. These turbines are used as peaking units during peak demand hours ^{and} each produces 12.3 MW electricity: generator. *of file*
~~during emergencies, and controls testing.~~ runs a nominal
Located on the east side of SR 363 in St. Marks, Wakulla County.

Specific Condition No. 2 establishes maximum operating and testing rates.

Specific Condition No. 4 establishes maximum allowable emission rates.

Specific Condition No. 5 establishes testing requirements.

Specific Condition No. 6 limits the sulfur content of the fuel oil.

Specific Condition No. 8 requires submission of an annual operation report.

Specific Condition No. 9 requires submission of a Major Air Pollution Source Annual Operation Fee Form.

Specific Condition No. 10 requires submission of a renewal permit application prior to December 31, 1998.

(note, two commas!)

PERMITTEE:

City of Tallahassee

I.D. Number: 10TLH65000108,09
Permit/Certification Number: AO65-242827
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Expiration Date: March 1, 1999

SPECIFIC CONDITIONS:

1. The attached General Conditions are part of this permit.

2. The maximum allowable ^{at heat input} operating rate per combustion turbine is 228 MMBtu/hour (LHV) ~~corrected to~~ an ambient temperature of 80 degrees Fahrenheit. Testing of emissions shall be conducted at 95-100% of the permitted rated heat input based on the average ambient air temperature during the test. Data for correcting heat input rates (corrected for air temperatures other than 80 degrees Fahrenheit) must be submitted with the compliance test report. ~~If it is impracticable to test at capacity, then sources may be tested at less than capacity; if the source is tested at less than capacity subsequent source operation is limited to 110% of the test load until a new test is conducted.~~ Once the unit is so limited, then operation at higher capacity is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit with prior notification to the Department.

ok
See ok Attachment A

3. The maximum hours of operation are 6993 hours/year for each turbine. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.

4. The maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Allowable Emissions</u>
VE	17-296.310(2)	less than 20% opacity

The excess emissions provision of F.A.C. Rule 17-210.700 shall apply during periods of startup, shutdown and malfunctions.

5. Emissions tests for the following pollutants shall be performed annually between July 1 and September 30, in accordance with the test methods and frequency indicated, with notification to the Department 15 days prior to testing. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. For good cause, the Permittee may request an extension of a compliance test due date. However, inadequate planning of testing does not constitute good cause for an extension of the compliance test due date. The test report documentation must be submitted to the Department within 45 days after completion of testing.

<u>Pollutant</u>	<u>Frequency</u>	<u>Test Method</u>
VE	Annually	DEP 9

However, with the following exceptions, the visible emissions test shall only be required during those federal fiscal years during which the individual turbines operate greater than 400 hours.

- An initial VE test is required within 15 days of any use of fuel oil.
- A VE test is required in 1998 while operating on fuel oil.



Lawton Chiles
Governor

Florida Department of Environmental Protection

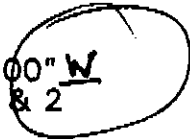
Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

PERMITTEE:

City of Tallahassee
Arvah B. Hopkins Plant

I.D. Number: 10TLH37000302,03
Permit/Certification Number: AO37-242824
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Expiration Date: March 1, 1999
County: Leon
Latitude/Longitude: 30°27'08"N/84°24'00"W
Project: Hopkins Combustion Turbines 1 & 2



This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called 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:

Operation of combustion turbines 1 and 2 at the Arvah B. Hopkins Plant. These turbines are manufactured by Westinghouse, model numbers W191G and W250G, with heat input rates of 228 and 446 MMBtu/hour, respectively, and are fueled by natural gas or No. 2 fuel oil with a maximum of 0.4% sulfur. The turbines are used as peaking and emergency reserve units during peak demand hours and produce 16.47 and 26.8 MW generators, respectively.

1
during emergency and controls testing
(not common)

Located on County Road 1585, approximately 1/2 mile north of State Road 20, one mile south of U.S. 90, and seven miles west of the State Capitol, in Tallahassee

- Specific Condition No. 2 establishes maximum operating and testing rates.
- Specific Condition No. 4 establishes maximum allowable emission rates.
- Specific Condition No. 5 establishes testing requirements.
- Specific Condition No. 6 limits the sulfur content of the fuel-oil.
- Specific Condition No. 7 requires submission of an annual operation report.
- Specific Condition No. 8 requires submission of a Major Air Pollution Source Annual Operation Fee Form.
- Specific Condition No. 9 requires submission of a renewal permit application prior to December 31, 1998.

PERMITTEE:

City of Tallahassee
Arvah B. Hopkins Power Plant

I.D. Number: 10TLH37000302,03
Permit/Certification Number: AO37-242824
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

1. The attached General Conditions are part of this permit.

2. The maximum allowable operating rate for Combustion Turbine 1 is 228 MMBtu/hour (LHV) heat input; for Combustion Turbine 2, 446 MMBtu/hour (LHV) ~~corrected to~~ ambient temperature of 80 degrees Fahrenheit. Testing of emissions shall be conducted at 95-100% of the permitted rated heat input based on the average ambient air temperature during the test. Data for correcting heat input rates (corrected for temperatures other than 80 degrees Fahrenheit) must be submitted with the compliance test report. ~~If it is impracticable to test at capacity, then sources may be tested at less than capacity; if the source is tested at less than capacity subsequent source operation is limited to 110% of the test load until a new test is conducted.~~ Once the unit is so limited, then operation at higher capacity is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit with prior notification to the Department. *ok*

} See Attachment A *ok*

3. The maximum hours of operation are 8491 hours/year for Combustion Turbine 1, and 7071 hours/year for Combustion Turbine 2. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.

4. The maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Allowable Emissions</u>
VE	17-296.310(2)	less than 20% opacity

5. Emissions tests for the following pollutants shall be performed annually between July 1 and August 31, in accordance with the test methods and frequency indicated, with notification to the Department 15 days prior to testing. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. For good cause, the Permittee may request an extension of a compliance test due date. However, inadequate planning of testing does not constitute good cause for an extension of the compliance test due date. The test report documentation must be submitted to the Department within 45 days after completion of testing.

<u>Pollutant</u>	<u>Frequency</u>	<u>Test Method</u>
VE	Annually	DEP 9

However, with the following exception, the visible emissions test shall only be required during those federal fiscal years during which the individual turbines operated greater than 400 hours.

A VE test is required in 1998 while operating on fuel oil.

PERMITTEE:

City of Tallahassee
Arvah B. Hopkins Power Plant

I.D. Number: 10TLH37000302,03
Permit/Certification Number: A037-242824
Date of Issue: March 8, 1994
Modification Date: June 10, 1994
Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

~~6. The maximum sulfur content of the fuel oil is limited to 0.4% sulfur by weight. The Permittee shall maintain logs available for Department inspection of the fuel oil sulfur content. If fueled 100% by oil the sulfur content of the oil shall not exceed 0.4% sulfur by weight. Records of the fuel oil sulfur content shall be kept and made available for Department inspection.~~

~~7. Satisfactory ladders, platforms, and other safety devices as well as necessary parts shall be provided, maintained, and made available as necessary to facilitate compliance inspections.~~

~~8. An annual operation report [DEP Form 17-210.900(4) attached] shall be submitted by March 1 each year. The attached form shall be reproduced by the Permittee and used for future annual submittals.~~

~~9. In accordance with F.A.C. Rule 17-213, a Major Air Pollution Source Annual Operation Fee Form [DEP Form 17-213.900(11) attached] must be completed and submitted with appropriate fee between January 15 and March 1 of each year. If the Department has not received the fee payment by March 1, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee, plus interest on such amount computed in accordance with s.220.807, Florida Statutes. The Department may revoke any major air pollution source operation permit if it finds that the permit holder has failed to pay timely and required annual operation license fee, penalty or interest. The attached form shall be reproduced by the Permittee and used for future annual submittals. The completed form and appropriate fees must be submitted to the Department of Environmental Protection, Title V (Facility I.D. Number), 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.~~

~~10. An application to renew this permit shall be submitted prior to December 31, 1998.~~

~~11. The permanent source identification number for these point sources are:~~

- 10TLH37000302 - Combustion Turbine $2 \frac{1}{2}$
- 10TLH37000303 - Combustion Turbine $3 \frac{2}{2}$

Please cite these numbers on all test reports and other correspondence specific to these permitted point sources.

~~12. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, use telephone number (904) 488-3704 during normal working hours.~~

Expiration Date:

Issued this 10th day of June, 1994.

March 1, 1999

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION


BOBBY A. COOLEY
District Director

Attachment A

If it is impracticable to test at ⁹⁵90-100% of the maximum allowable heat input rate corrected for the average ambient air temperature, then sources may be tested at less than ⁹⁵90% of the maximum allowable heat input. If the source is tested at less than ⁹⁵90% of the maximum allowable heat input, subsequent source operation is limited to ¹¹⁰110% of the tested heat input rate corrected for average ambient air temperature until a new test is conducted.

Section IV. This section is the Acid Rain Part.

Acid Rain Part, Phase II

Operated by: City of Tallahassee

ORIS code: 689

Effective:

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

E.U.

ID No. Description

01 Boiler

1. The Acid Rain Part application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of this acid rain unit must comply with the standard requirements and special provisions set forth in the application listed below:

- a. DEP Form No. 62-210.900(1)(a), dated 07/01/95.

[Chapter 62-213, F.A.C. and Rule 62-214.320, F.A.C.]

2. Sulfur dioxide (SO₂) allowance allocations and nitrogen oxide (NO_x) requirements for each Acid Rain unit are as follows:

	Year	2000	2001	2002	2003
ID No. 01 7	SO₂ allowances, under Table 2, 3, or 4 of 40 CFR 73	438*	438*		
	NO_x limit	**	**		

*The number of allowances held by an Acid Rain source in a unit account may differ from the number allocated by the USEPA under Table 2, 3, or 4 of 40 CFR 73.

**By January 1, 1999, this Part will be reopened to add NO_x requirements in accordance with the regulations implementing section 407 of the Clean Air Act.

3. Comments, notes, and justifications: None.

Section V. Attachments and relevant documents.

Acid Rain Application/Compliance Plan received 12/20/95.

Date: 8/14/96 4:43:54 PM
From: Carolyn Salmon PEN
Subject: City of Tallahassee-Purdom
To: Bruce Mitchell TAL

Bruce:

Jenny May (TBO) just completed the annual inspection of the Purdom plant. She didn't find any problems. I've reviewed the files and find the following:

On July 18, 1996, Mike Harley sent them a letter recommending that a Supply oil fuel flow meter for Unit 7 be certified pursuant to 40 CFR Part 75.

In December, 1995 they had some opacity problems with Combustion Turbine No. 2. They subsequently solved the problems and demonstrated compliance. I think mostly they tried this, then that, until it cleared up. Nothing specific was identified as causing the emission problem.

S-14-96

For nothing,

F-4 I 1/2 site. I sent her a "thank you" response.

Bruce