



# Department of Environmental Protection

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Lawton Chiles  
Governor

Northwest District  
160 Governmental Center  
Pensacola, Florida 32501-5794

Virginia B. Wetherell  
Secretary

PERMITTEE:

Apalachee Correctional  
Institution

AIRS I.D. Number: 0630044  
Air Permit Number: ~~0630044AO~~ 0630044002AO  
Emission Units: 001-005  
Date of Issue: September 18, 1995  
Expiration Date: September 1, 2000  
County: Jackson  
Latitude/Longitude: 30°42'40"N/84°52'47"W  
Project: Five Oil-Fired Boilers

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-296, 62-297 and 62-4. 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 five steam boilers located in various buildings at the Apalachee Correctional Institution ranging from 1.7 MMBtu/hr to 6.4 MMBtu/hr and accumulatively totaling 23 MMBtu/hr. All of the boilers operate exclusively on No. 2 fuel oil and one boiler, the new/replacement boiler uses LP gas as backup fuel. Operation of the boilers is consistent with a BACT determination dated September 16, 1994, which limits the sulfur content of the No. 2 fuel oil to 0.5% at not more than 1.420 million gallons per calendar year, 0.02 lb/MMBtu particulates, 0.60 lb/MMBtu SO<sub>2</sub> and 20% opacity with up to three minutes during any one hour at not more than 40% opacity.

There are fifteen other small hot water boilers, most of which are less than 0.5 MMBtu/hr and all of which are under 1.3 MMBtu/hr and use No. 2 fuel oil.

Located north of Hwy 90, west of the Apalachicola Bridge and east of Sneads, Florida at the Apalachee Correctional Institution.

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SPECIFIC CONDITIONS:

GENERAL

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]

OPERATION

4. The maximum hours of operation are 8760 hours/year. [Application dated August 23, 1994]

5. The maximum allowable fuel usage for all the boilers under this permit shall not exceed 1.420 million gallons of No. 2 fuel oil per calendar year. [FAC Rule 62-4.070]

6. The maximum allowable operating rates are listed below. These are the operating rates at which compliance with standards shall be demonstrated.

Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90 to 100% of rated capacity. If it is impracticable to test at capacity, then sources may be tested at less than capacity; in this case 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 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. [FAC Rule 62-4.070]

Boiler	Building Location	Maximum Heat Input (MMBtu/hr)
1	West Kitchen	4.23
2	West Kitchen	5.29
3	East Laundry	6.35
4	Admin. Bldg.	1.69
5	East Kitchen	5.29

7. The maximum sulfur content of the No.2 fuel oil is limited to 0.5% sulfur by weight. The Permittee shall maintain a log available for Department inspection of the fuel oil sulfur content. [Application dated August 23, 1994]

8. BACT as established September 16, 1994 requires the use of No. 2 fuel oil with 0.5% sulfur for not more than 1.420 million gallons per calendar year, particulate matter emissions to 0.02 lb/MMBtu, sulfur dioxide emissions to 0.60 lb/MMBtu and visible emissions to 20% opacity except up to three minutes during any one hour at not more than 40%. Boiler No. 5 can use LP gas as a backup fuel. [FAC Rule 62-212.410]

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SPECIFIC CONDITIONS:

EMISSIONS

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

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Allowable Emissions</u>
VE	62-296.406	20% opacity except for up to three minutes in any one hour at not more than 40% opacity.
PM	BACT	0.02 lb/MMBtu heat input.
SO2	BACT	0.60 lb/MMBtu heat input.

TESTING

10. 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 normal maximum operating rate Tests shall be conducted in accordance with DEP Method 9. Such tests shall be conducted once per year within 60 days of the baseline date of May 31. 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. [FAC Rule 62-297.340(1)(a)]

ADMINISTRATIVE

11. An annual operation report (DEP Form 62-210.990(5) attached) shall be submitted by March 1st of each year. A copy of the form and instructions may be obtained from the Department of Environmental Protection, Northwest District, Air Resources Management Program, (904) 444-8364. [FAC Rule 62-210.370]

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

	<u>Boiler No.</u>	<u>Location</u>
0630044001	1	West Kitchen
0630044002	2	West Kitchen
0630044003	3	East Laundry
0630044004	4	Admin. Bldg.
0630044005	5	East Kitchen

Please cite these numbers on all test reports and other correspondence specific to these permitted point sources. [FAC Rule 62-297.570]

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SPECIFIC CONDITIONS:

13. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 436-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (94) 488-1320. For routine business, use telephone number (904) 872-4375 during normal working hours. [FAC Rule 62-210.700]

Expiration Date:

Issued this 18<sup>th</sup> day of Sept,  
1995.

September 1, 2000

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



ED K. MIDDLESWART, P.E.  
Air Program Administrator

## 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, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
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), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor 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 does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of 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 and used by the permittee to achieve compliance with the conditions of this permit, are 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
  - a. Having access to and copying any records that must be kept under the conditions of this permit;
  - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

GENERAL CONDITIONS:

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

a. A description of and cause of 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.

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 proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with 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 Florida Administrative Code Rules 62-4.120 and 62-730.300, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

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.

GENERAL CONDITIONS:

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 measurement;
- the person responsible for performing the sampling or measurement;
- 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 corrected promptly.