Department of Management Services
Collins Building
Facility ID No.: 0730062
Leon County

Air Operation Permit
Permit No.: 0730062-005-AO

Permitting and Compliance Authority
Department of Environmental Protection
Northwest District Office
160 W Government Street, Suite 308
Pensacola, FL 32502-5740
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[Electronic file name: 0730062-005-AO.doc]

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Northwest District
160 W Government St., Suite 308
Pensacola, Florida 32502-5740

RICK SCOTT
GOVERNOR

JENNIFER CARROLL
LT. GOVERNOR

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SECRETARY

Permittee:
Department of Management Services

Permit No.: 0730062-005-AO
Facility ID No.: 0730062
SIC No(s).: 91, 9199
Project: Air Operation Permit Renewal

This permit is for the operation of two boilers at the Collins Building located at 107 West Gaines Street in Tallahassee, Leon County; UTM Coordinates: Zone 16, 760.9 km East and 3370.2 km North; Latitude: 30° 26’ 16” North and Longitude: 84° 16’ 58” West.

STATEMENT OF BASIS: This air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4 and 62-210. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Effective Date: January 3, 2013
Renewal Application Due Date: November 4, 2017
Expiration Date: January 3, 2018

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

/Armando Sarasua signed for/

Rick Bradburn
Air Program Administrator

RB/ha/c

Section I. Facility Information.

This is a renewal of Permit 0730062-004-AO, effective February 29, 2008.

Subsection A. Facility Description.

This facility consists of two Cleaver-Brooks boilers (Nos. 1 and 2) that provide comfort heating for multiple buildings in the Florida Capitol Complex. Each boiler has a heat input rating of 43 MM Btu/hr, exhausts through a common stack and burns natural gas as its primary fuel, but may burn distillate oil with a maximum sulfur content of 0.05%, by weight, as an emergency back-up fuel during gas curtailment. Installation of these boilers was authorized by permit AC37-180184, issued July 5, 1990.

Because these boilers were installed after June 9, 1989 and have a design capacity between 10 and 100 MMBtu/hr, the boilers are subject to the requirements of 40 CFR Part 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with Less Than 250 MM Btu/hr Heat Input.

Facilities with boilers subject to 40 CFR 60, Subpart Dc that burn natural gas as a primary fuel, and only burn No. 1 or No. 2 fuel oil as a back-up, are required to maintain monthly records of the quantity of each fuel used and fuel supplier certifications for each shipment of distillate oil received. In addition, the facility is required to submit to the Department a semi-annual report. In addition, the boilers are also subject to the provisions of Rule 62-296.406, F.A.C., which requires a 'best available control technology' (BACT) determination for particulate matter (PM) and sulfur dioxide (SO_2). The Department's BACT determination for these boilers requires the boilers to burn only natural gas except for periods of gas curtailment or other gas supply emergencies. The BACT determination also limits the sulfur content of back-up distillate fuel oil to no more than 0.05%, by weight.

Based on the permit application received December 18, 2012, this facility is not a major source of hazardous air pollutants (HAP).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID No.	Brief Description
003	Cleaver-Brooks Boiler No. 1
004	Cleaver-Brooks Boiler No. 2

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are on file with permitting authority:
Permit Application received December 18, 2012

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. Appendix G-1, General Conditions, is a part of this permit.

2. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants that cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. [Rules 62-296.320(4)(b)1. & 4., F.A.C.]

4. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standards contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests that identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. Notification of compliance testing and completed test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. [Rule 62-297.310(7)(b), F.A.C.]

5. Asbestos. This permit does not authorize any demolition or renovation of the facility or its parts or components which involves asbestos removal. This permit does not constitute a waiver of any of the requirements of Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, National Emission Standard for Asbestos, adopted and incorporated by reference in Rule 62-204.800, F.A.C. Compliance with Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, Section 61.145, is required for any asbestos demolition or renovation at the source. [40 CFR 61; Rule 62-204.800, F.A.C.; and, Chapter 62-257, F.A.C.]

6. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. All equipment, pipes, hoses, lids, fittings, etc., shall be operated and maintained in such a manner as to minimize leaks, fugitive emissions and spills of VOC materials. [Rule 62-296.320(1), F.A.C.]

7. Sixty days prior to the expiration date of this operation permit, the Permittee shall submit a permit renewal application using the current version of the renewal form along with the processing fee established in Rule 62-4.050(4), F.A.C., to the Northwest District office of the Department. You can obtain a permit application form or apply for permit renewal electronically at the following web address: http://www.dep.state.fl.us/air/emission/permitting.htm. [Rule 62-4.090, F.A.C.]

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

Department of Environmental Protection
Northwest District Office
160 W Government Street, Suite 308
Pensacola, Florida 32502-5740
Telephone: 850.595.8300; Fax: 850.595.8096

Notification of compliance testing and completed test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. A copy of all compliance related notifications shall be sent to the Northwest District Branch Office in Tallahassee at Carr Building Suite 115, 3800 Commonwealth Blvd, Tallahassee FL 32301.

9. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is 850.595.0578, day or night, and for emergencies involving a significant threat to human health or the environment is 800.320.0519. For routine business, telephone 850.595.8300 during normal working hours. [Rules 62-210.700 and 62-4.130, F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions units.

E.U. ID No.	Brief Description
003	Cleaver-Brooks Boiler No. 1
004	Cleaver-Brooks Boiler No. 2

Two 43 MM Btu/hr Cleaver-Brooks boilers (Nos. 1 and 2) provide comfort heating for multiple buildings in the Florida Capitol Complex. The boilers exhaust through a common stack and burn natural gas as their primary fuel, but may burn distillate oil with a maximum sulfur content of 0.05%, by weight, as an emergency back-up fuel during gas curtailment. Installation of these boilers was authorized by permit AC37-180184, issued July 5, 1990. Because these boilers were installed after June 9, 1989 and have a design capacity between 10 and 100 MMBtu/hr, the boilers are subject to the requirements of 40 CFR Part 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with Less Than 250 MM Btu/hr Heat Input (Small Boiler BACT).

The following specific conditions apply to the emissions units listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Capacity. The maximum heat input to each boiler shall not exceed 43 MM Btu/hr. [Rules 62-4.160(2), 62-210.200(PTE), F.A.C., and permit AC37-180184]

{Permit Note: A heat input rate of 43 MMBtu per hour will produce approximately 33,000 pounds of steam per hour, based on a higher heating value (HHV) of 1,050 Btu/scf for natural gas. The maximum allowable operating rate may be decreased in accordance with Specific Condition: Testing at Capacity.}

A.2. Methods of Operation - (i.e., Fuels). To comply with BACT for PM and SO2, natural gas will be used as the primary fuel, with distillate oil, as defined by the American Society for Testing and Materials in ASTM D396-98 – "Standard Specifications for Fuel Oils", or equivalent, allowed as an alternative fuel during periods of emergency, such as natural gas curtailment. The distillate oil shall contain no more than 0.05% sulfur, by weight. [Rules 62-4.160(2), 62-296.406(2) & (3), F.A.C.; 40 CFR 60.41c & 60.42c(d); permit 0730062-003-AC]

A.3. Hours of Operation. These emissions units are allowed to operate continuously, i.e., 8,760 hours/year.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., and permit 0730062-003-AC]

Emission Limitations and Standards

A.4. Visible Emissions. The permittee shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (six-minute average), except for one six-minute period per hour of not more than 27 percent opacity. This opacity standard applies at all times except during periods of startup, shutdown, or malfunction. [Rule 62-296.406(1), F.A.C., 40 CFR 60.43c(c) & (d) and permit 0730062-003-AC]

Test Methods and Procedures

A.5. Required Testing. Visible Emissions (VE) tests are required to show compliance with the standards of the Department. The test results must provide reasonable assurance that each boiler is capable of compliance at the permitted maximum operating rate. Testing shall be scheduled during the cold months of the year when the boilers are able to operate at or close to capacity. Tests shall be conducted by EPA Method 9 for each boiler as specified below. The Department shall be notified at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing. Notification of compliance testing and completed test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. [Rules 62-4.070, 62-297.310(4)(a)2, 62-297.310(7), 62-297.401(9), F.A.C.; 40 CFR 60.45c(a)8; and permit 0730062-003-AC]

A.5.a. Annual Compliance Tests. An annual compliance test for a boiler is not required if that boiler is fired primarily with natural gas and burns fuel oil for 400 hours of less during a federal fiscal year (FFY - October 1 to September 30). However, if a boiler burns fuel oil for more than 400 hours during a FFY, that boiler shall be tested to demonstrate compliance with the emissions standards for Visible Emissions. The tests shall be conducted within 30 days of the date on which that boiler exceeded 400 hours of operating with fuel oil for that FFY. [Rule 62-297.310(7)(a)3.b., F.A.C. and permit 0730062-003-AC]

A.5.b. Compliance Tests Prior To Renewal. Compliance tests shall be performed for Visible Emissions once every five years. Performance testing shall be conducted for each boiler within the 12-month period prior to expiration of this permit. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emissions standards for Visible Emissions. [Rule 62-297.310(7)(a)3, F.A.C. and permit 0730062-003-AC]

{Permitting Note: Due to the two Cleaver-Brooks boiler's built-in control system not allowing them to operate above 130 psi (DMS letter dated November 5, 2002), or the inability to predict when the weather will be cool enough to complete a test or when the use of standby fuel will be necessary, the Department has waived the 15 day prior testing notice in the past. Therefore, when practical, the Department would like to have a 15 day notice, but due to the specific issues associated with the testing of these boilers, it is understood that this may not be possible. If the 15 day notice is not feasible, please contact the Department as soon as practical.}

A.6. Test Reports. The test reports shall comply with applicable portions of Rule 62-297.310, F.A.C., Test Reports. The Department can require special compliance tests in accordance with Rule 62-297.310(7), F.A.C. Other test methods and alternate compliance procedures may be used only after prior Department approval has been obtained in writing. [Rules 62-297.310(7) and 62-297.620(1), F.A.C.]

A.7. Testing at Capacity. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity. If it is impractical to test at capacity, 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, operation at higher capacities is allowed for no more than 15 days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department. [Rules 62-297.310(2) and 62-4.070, F.A.C.]

Recordkeeping and Reporting Requirements

A.8. The permittee shall record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. These records shall be maintained by the facility for a minimum of two years following the date of such record. [Rule 62-204.800(8)(b)4., F.A.C., 40 CFR 60.48c(g)(3) & (i) and April 19, 2001 EPA Letter (UWF & National Response)]

A.9. The permittee shall maintain records of fuel supplier certifications for each shipment of distillate oil received for back-up use. The fuel supplier certification shall include the following information:

1) The name of the oil supplier;
2) A statement from the oil supplier that the oil complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396, or diesel fuel oils number 1 or 2, as defined by ASTM D975;
3) The sulfur content or maximum sulfur content of the fuel oil.

These records shall be maintained by the facility for a minimum of two years following the date of such record. [40 CFR 60.48c(e)(11), (f) and (i)]

A.10. The permittee shall maintain records for each boiler of hours of operation with fuel oil during each federal fiscal year. These records shall be kept for five years. [Rules 62-4.070, and 62-297.310(7)(a)3, F.A.C.]

A.11. The permittee shall submit a semi-annual report to the Department containing the following:

(1) Calendar dates covered in the reporting period;
(2) Performance test data for any performance test conducted during the reporting period, including dates and time intervals of all opacity observation periods, name, affiliation and copy of current visible emissions reading certification for each visible emission observer, and copies of all visible emission observer field data sheets;
(3) Fuel oil supplier certifications for any fuel oil burned during the reporting period;
(4) The date and duration of any episode of excess emissions or non-compliance with emission standards that occurred during the reporting period, with a description of the cause of the non-compliance and the corrective actions that were taken.

Each report shall be postmarked by the 30th day following the end of the reporting period.

In addition to the above information, the report shall also include a certified statement signed by the owner or operator of the facility that the records of fuel oil supplier certifications submitted represent all of the fuel oil combusted during the reporting period.
[40 CFR 60.48c(b), (c), (d), (e)(11), (f) and (j)]

A.12. The submittal of a semi-annual report for the facility's boilers is not required if no distillate oil (back-up fuel) was burned during the reporting period. However, if no distillate oil has been burned during the previous reporting period and therefore no semi-annual report has been submitted, an annual report is required to verify that no distillate oil was consumed during the year. [EPA UWF and National Response letter dated April 19, 2001 and EPA Telephone Conversation on 1/30/2003]

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. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of 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 and at reasonable times, access to the premises where the permitted activity is located or conducted for the purpose of:

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

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

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

a. A description of and cause of 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 that 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 Department approves the transfer.

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

13. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used;
- 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.