



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Colleen M. Castille  
Secretary

## NOTICE OF PERMIT ISSUANCE

In the Matter of an Application  
for Permit by:

DEP File No.: 1190011-003-AC  
County: Sumter

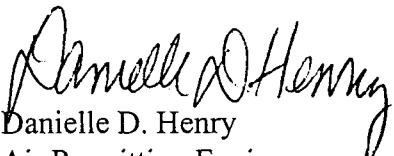
Mr. Jerome G. Robbins, II  
Vice President & Secretary  
Robbins Manufacturing Company  
13001 North Nebraska Avenue  
Tampa, Florida 33612

Enclosed is Permit Number 1190011-003-AC for a construction permit to build a new wood fired boiler at the facility located at 13904 State Route 471, Tarrytown, Sumter County, Florida, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a Notice of Appeal under Rule 9.110 of the Florida rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida.

Sincerely,

  
Danielle D. Henry  
Air Permitting Engineer

cc: Cory A. Houchin, P.E.  
Environmental Sciences Group, Inc.  
Post Office Box 7495  
Tampa, Florida 33673

Electronic File: 1190011003ac\_iss.doc

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"More Protection, Less Process"

Printed on recycled paper.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were sent by regular mail before the close of business on APR 23 2004 to the listed persons, unless otherwise noted.

Clerk Stamp

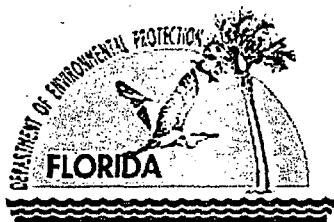
FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk)

APR 23 2004

(Date)



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619-1352

Colleen M. Castille  
Secretary

## PERMITTEE:

Robbins Manufacturing Company  
13904 State Route 471  
Tarrytown, FL 33597

**Permit No.:** 1190011-003-AC

**County:** Sumter

**Effective Date:** 04/23/2004

**Expiration Date:** 4/10/2005

**Project:** Wood Fired Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-204 through 62-297 & 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of a new wood fired 260HP Hurst Firebox Steam Boiler. The maximum heat input to the boiler is 13.1 MMBTU/hour, based on a maximum wood firing rate of 1,875 lbs of wood/hr. with the wood having a BTU value of 7,000 BTU's/pound. This new boiler will be used in line with the existing Abco Industries 72' x 20' wood fired boiler (*EU 001 which is also a 260HP boiler with a maximum heat input rate of 13.1 MMBTU/hour*) in an effort to improve production. The new wood boiler emissions are controlled by a Hurst Multicyclone Collector with a design flow rate of 6650 ACFM. Additionally, a Hurst Boiler Series 400, 150 Horsepower, fired LP Gas unit was installed in October 2001 and is considered exempt (Rule 62-210.300, F.A.C.).

The new boiler is subject to 40 CFR 60, Subpart Dc, - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and Rule 62-296.410, F.A.C. - Carbonaceous Fuel Burning Equipment.

## Facility Information Summary

**Location:** SR 50 and CR 471, Tarrytown

**UTM Coordinates:** Zone 17 396.70km East 3158.89 km North

**Latitude:** 28° 33' 10" North **Longitude:** 82° 03' 27" West

**Facility ID:** 1190011

PERMITTEE:  
Robbins Manufacturing Company

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| <b>E.U.<br/>ID No.</b> | <b>Description</b>         |
|------------------------|----------------------------|
| 002                    | Hurst Firebox Steam Boiler |

**Permit History:** This facility is currently permitted under 1190011-002-AO

**NOTE:** Please reference the Facility Name, Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

## **SPECIFIC CONDITIONS**

1. **General Conditions.** A part of this permit is the attached 15 General Conditions. [Rule 62-4.160, F.A.C.]
2. **Other Requirements.** Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204 through 62-297, or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]

## **Operating and Emission Limitations**

3. **Hours of Operation.** This facility is permitted to operate continuously, 8,760 hours per 12 month consecutive period. [Construction permit application dated December 18, 2003]
4. **Reasonable Precautions for Unconfined Emissions of Particulate Matter.** All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provisions in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions include the following:
  - A. Paving and maintenance of roads, parking areas and yards.
  - B. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.

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- C. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- D. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from being airborne.
- E. Landscaping or planting of vegetation.
- F. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- G. Confining abrasive blasting where possible.
- H. Enclosure or covering of conveyor systems.

[Rule 62-296.320(4)(c), F.A.C.]

5. **Applicable NSPS.** This boiler is subject to and shall meet all the applicable requirements and limitations of 40 CFR 60, Subpart Dc, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, adopted by reference in Rule 62-204.800, F.A.C.
6. **Heat Input Rate.** The maximum heat input rate to this boiler is 13.1 MMBTU/hour, based on a monthly average, from firing wood at an average of 1,775 pounds of wood/hour (1,875 pounds/hour maximum). [Construction permit application dated December 18, 2003]
7. **Objectionable Odor.** The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants from this plant which cause or contribute to an objectionable odor. Objectionable odor is defined as "Any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance." [Rules 62-296.320(2) and 62-210.200, Definitions-(Objectionable Odor), F.A.C.]

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8. **Visible Emissions.** Visible emissions from this boiler shall not exceed 20% opacity except for one two-minute period per hour during which visible emissions shall not exceed 40% opacity. [Rule 62-296.410(2), F.A.C.]
9. **Circumvention of Air Pollution Control Device** - The permittee shall not circumvent any air pollution control device or allow the emissions of air pollutants without the applicable air pollution control devices (i.e. cyclone (EU 002)) operating properly. [Rule 62-210.650, F.A.C.]
10. **Operating Changes.** Any proposed change to this source that will cause the limitations of this permit to be exceeded--such as design-parameter changes or an increase in emissions may be considered a modification and must be reported. The permittee shall notify the Air Permitting Section of this office of any changes and receive written approval from this office of the changes prior to implementing the changes. [Rule 62-4.070(3), F.A.C.]
11. **Excess Emissions.** Excess Emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

*unit change WSN*

## Notification

12. **Written Notification.** The permittee shall provide written notification to the Air Compliance Section of the Southwest District Office of the Department as follows:
  - A. **Commence Construction.** A notification of the date construction of the facility is commenced postmarked no later than 30 days after such date.  
[40 CFR 60.7(a)(1)]
  - B. **Actual Initial Startup Date.** A notification of the actual date of initial startup of the facility postmarked within 15 days after such date. [40 CFR 60.7(a)(3)]
13. **Compliance Test Date Notification.** The permittee shall notify the Air Compliance Section of the Southwest District Office of the Department in writing at least 15 days prior to the date on which the compliance test is to begin. The notice shall include, the date, time, and place of each test, and the test contact person who will be responsible for coordinating and having each test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

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Robbins Manufacturing Company

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## Test Methods and Procedures

14. **Test Frequency.** This boiler shall be tested for visible emissions <sup>application</sup> within 30 days of initial process operation and thereafter annually until the submittal of the initial air operation permit. The test report shall be submitted within 45 days of testing to this office in conjunction with a Certificate of Completion of Construction [Rules 62-210.900(3) and 62-297.310, F.A.C.]
15. **VE Compliance Test Method.** Compliance with the visible emissions limitations of Specific Condition No. 8 shall be demonstrated using DEP Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-204.800, F.A.C. The visible emissions compliance test shall be conducted by a certified observer and be a minimum of 60 minutes in duration. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur. The minimum requirements for source sampling and reporting shall be in accordance with the requirements of Chapter 62-297, F.A.C. [Rules 62-297.310(4), 62-297.401(9), and 62-296.410(3), F.A.C.]
16. **Operation Rate During Testing.** Testing of emissions must be conducted within 90-100% of the maximum permitted heat input rate of 13.1 MMBTU/hour. (1,875 pounds/hour of wood). A compliance test submitted at a heat input rate less than 90% of maximum permitted rate will automatically constitute an amended permitted heat input rate at that lesser rate, plus 10%. Within 30 days of that lower amended heat input rate being exceeded as determined from monthly recordkeeping, a new compliance test shall be conducted at no less than that higher heat input rate and no greater than 13.1 MMBTU/hr. The test results shall be submitted to the Air Compliance Section of this office within 45 days of testing. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested heat input rate, plus 10%, but in no case shall the maximum heat input rate of 13.1 MMBTU/hr. be exceeded. Each test report shall include the heat input rate during the test period and a copy of the logs/records for the month the test was conducted as required by Specific Condition No. 18. [Rules 62-297.310(2), 62-297.310(8), and 62-4.070(3), F.A.C.]
17. **Other Tests.** If the Department of Environmental Protection has reason to believe that any applicable emission standard is being violated, the Department may require the permittee to conduct compliance tests which identify the nature and quantity of emissions and to provide a report on the results of the tests. [Rule 62-297.310(7)(b), F.A.C.]

PERMITTEE:  
Robbins Manufacturing Company

PERMIT NO.: 1190011-003-AC  
PROJECT: Wood Fired Boiler

## Monitoring and Recordkeeping Requirements

**18. Recordkeeping.** The permittee shall record and maintain the following logs/records:

- A. Date/Month
- B. Daily the amount of wood combusted in the boiler during each day, in lbs.
- C. Daily the number of hours of combusting wood in the boiler.
- D. Monthly calculate and record the monthly average heat input rate, in MMBTU/hr.

The daily logs shall be completed by the end of the 3<sup>rd</sup> business day and the monthly logs shall be completed by the 15<sup>th</sup> of the following month. [40 CFR 60.48c(g) and Rule 62-4.070(3), F.A.C.]

**19. Recordkeeping – Reasonable Precautions.** The permittee shall record and maintain logs/records of any activities required in Specific Condition No. 4. The logs/records shall include the following:

- A. Date
- B. Start and end time
- C. Type of activity performed

[Rule 62-4.070(3), F.A.C.]

**20. Record Retention.** The records required by Specific Condition Nos. 18 and 19 shall be maintained on-site or electronically available on-site for a minimum of the most recent two (2) year period and made available to the Department upon request. [40 CFR 60.48c(i) and Rule 62-4.070(3), F.A.C.]

## Operating Permit

**21. Operating Permit Application.** A completed Title V air operation permit application shall be submitted to the Air Permitting Section of the Southwest District Office of the Department at least 90 days prior to the expiration date of this permit and no later than 180 days after commencing operation. To properly apply for the permit, the applicant shall submit the following:



PERMITTEE:  
Robbins Manufacturing Company

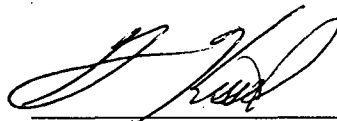
PERMIT NO.: 1190011-003-AC  
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- A. The appropriate Department application form (see Rule 62-210.900, F.A.C. (Forms and Instructions));
- B. The written notification of the actual date of initial startup of the facility postmarked within 15 days after such date. [40 CFR 60.7(a)(1)]
- C. The written notification of the date construction of the facility is commenced postmarked no later than 30 days after such date. [40 CFR 60.7(a)(3)]
- D. Calculations of total facility-wide emissions from all sources including but not limited to EU #001, EU #002, the exempt boiler unit, and the cyclones.
- E. A copy of the most recent visible emissions test report (See Specific Condition No. 15);
- F. Copies of the records specified in Specific Condition Nos. 18 and 19 for the most recent 3 months.

***{Permitting Note: Based on emissions of Carbon Monoxide (CO) from the facility, the facility is considered a major source of air pollutants and is a Title V source. In lieu of submitting a Title V Air Operation Permit the facility may submit a Construction/Modification Permit Application. The facility must demonstrate that the facility-wide emissions from all sources do not exceed major source thresholds and/or include permit conditions/restrictions that would ensure the potential emissions would not exceed major source thresholds. For either case, emission calculations from all facility-wide sources shall be included in the application package.}***

[Rules 62-4.070(3), 62-4.090, 62-210.300(2), 62-210.900 and 40 CFR 60.7]

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Gerald J. Kissel, P.E.  
District Air Program Administrator  
Southwest District

ATTACHMENT - 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 (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. Not applicable to Air Permits.

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 to:

- a. Have access to and copy any records that must be kept under conditions of the permit;

GENERAL CONDITIONS:

- 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 reasonable 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 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 prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

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

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

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

GENERAL CONDITIONS:

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

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

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

c. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware 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.

16. Not applicable to Air Permits.

17. Not applicable to Air Permits.