



# Florida Department of Environmental Protection

Southwest District  
13051 N. Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## FINAL PERMIT

### PERMITTEE

Juice Bowl Products, Inc.  
P.O. Box 1048  
Lakeland, FL 33802-1048

Authorized Representative:  
Mr. Don Pope, Maintenance Manager

Air Permit No. 1050127-002-AC  
Permit Expires: 12/15/2010  
Site Name: Lakeland Facility  
Minor Air Construction Permit  
Project: 800 HP Boiler

This permit authorizes the after-the-fact construction of an 800 horsepower (HP) Boiler fired only with natural gas along with administratively correcting the permit number and the 800 HP boiler's emission unit number. The previous permit number was 1050431-001-AC. The boiler is at Juice Bowl Products, Inc.'s facility (Standard Industrial Classification No. 2037). The facility is located in Polk County at 2090 Bartow Road, in Lakeland, Florida. The UTM coordinates are Zone 17, 409.49 km East, and 3099.78 km North.

This final permit is organized by the following sections:

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for

notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

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 Hillsborough County, Florida

Mara Grace Nasca      September 4, 2009  
Mara Grace Nasca      Effective Date  
District Air Program Administrator  
Southwest District

#### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on September 4, 2009 to the persons listed below.

Mr. Don Pope, Maintenance Manager  
Juice Bowl Products, Inc.  
don.pope@juicebowl.com

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Patricia Driskell      September 4, 2009  
(Clerk)      (Date)

## SECTION 1. GENERAL INFORMATION (FINAL)

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### FACILITY AND PROJECT DESCRIPTION

#### Project Description and Proposed Emission Unit

For the after-the-fact construction of an 800 HP boiler fired only with natural gas at a facility that produces frozen orange juice concentrate and packages other beverage products. This project will create the following emissions unit.

Facility ID No. 1050127	
ID No.	Emission Unit Description
003	800 HP Boiler

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

#### Exempt Emission Units/Activities

- A 750 HP Boiler (Serial Number SN-4224 constructed on July 18, 1977) previously Emission Unit No. 001 and 500 HP Boiler (Serial Number SN-3916 constructed in 1973) previously Emission Unit No. 002 per Rule 62-210.300(3)(a)34., F.A.C.

### FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a natural minor source of air pollution.

### PERMIT HISTORY/AFFECTED PERMITS

- No previous permits for the 800 HP Boiler, but the two (2) exempt boilers noted above were previously permitted.
- Permit 1050127-002-AC administratively corrects Permit 1050431-001-AC (effective date of July 13, 2009), since the Facility ID Number and Emission Unit ID Numbers for the two (2) exempt boilers existed previously.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District's Air Resource Management Section. The Southwest District's mailing address and phone number is:

Florida Department of Environmental Protection  
Southwest District Office  
Air Resource Management Section  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813-632-7600

All documents related to applications for permits to operate an emissions unit shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest District Office's Air Resource Management Section (see above mailing address and phone number).
3. Appendices: The following Appendices are attached as part of this permit:
  - A. Appendix A. Citation Formats and Glossary of Common Terms;
  - B. Appendix B. General Conditions;
  - C. Appendix C. Common Conditions; and
  - D. Appendix D. Common Testing Requirements.
  - E. Best Available Control Technology (BACT) Determination dated August 27, 2009.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.  
[Rule 62-4.080, F.A.C.]
6. Modifications: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.  
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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7. Application for Non-Title V Air Operation Permit: This permit authorizes the after-the-fact construction of the permitted emissions unit(s) and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit(s). The permittee shall apply for a Non-Title V air operation permit within 45 days of conducting the visible emission test required by Specific Condition No. A.6. The application shall also be submitted in conjunction with the visible emission test report required by Common Testing Requirement No. 5 of Appendix D and at least 90 days prior to expiration of this permit. To apply for a Non-Title air operation permit, the applicant shall submit the following:
- A. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions)*), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>);
  - B. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.; and
  - C. copies of the fuel usage records/logs required by Specific Condition No. A.14. below for the month the visible emission test required by Specific Condition No. A.6. below was conducted.

The application shall be submitted to the Permitting Authority.

[Rules 62-4.030, 62-4.050, and 62-4.220, F.A.C.]

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

#### A. EU No(s). 003 – 800 HP Boiler

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
003	<p>An 800 HP Hurst Boiler, Series 400, Model S4-X800-150 (Serial No. S4000-150-27) fired only with natural gas at a maximum design heat input rate of 34.3 MMBTU/hr. Note, the boiler's heat input rate is based on a maximum input of 33,600 cubic feet of natural gas per hour and the natural gas having a heat content of 1,020 BTU/cubic foot.</p> <p>The boiler is subject to the requirements of Title 40, Code of Federal Regulations (CFR), 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 Million BTU Per Hour Heat Input, New, and Existing Units.</p>

#### PERFORMANCE RESTRICTIONS

- A.1. Federal Regulatory Requirements: This emission unit is subject to 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, which is adopted by reference in Rule 62-204.800, F.A.C.  
[Rule 62-204.800(8), F.A.C.]
- A.2. Permitted Capacity: The boiler's maximum heat input rate is 34.3 MMBTU/hr.  
Permitting Note: The facility is not required to keep routine hourly or daily records to demonstrate compliance with this limitation, except as required by Specific Condition Nos. A.13. and A.14.  
[Rule 62-210.200(PTE), F.A.C.]
- A.3. Authorized Fuel: The boiler is fired only with natural gas.  
[Permit Application dated May 19, 2009 and Rule 62-296.406, F.A.C. and BACT dated August 27, 2009 (identical to the BACT dated June 18, 2009, referenced in permit 1050431-001-AC)]
- A.4. Restricted Operation: The hours of operation of are not limited (8760 hours per year).  
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

#### EMISSIONS STANDARDS

- A.5. Visible Emission Standard: Visible emissions shall not 20% opacity except for one six-minute period per hour during which opacity shall not exceed 27%.  
[Rule 62-296.406(1), F.A.C.]

#### TESTING REQUIREMENTS

- A.6. Initial Compliance Test: The boiler shall be tested to demonstrate initial compliance with the visible emission standard. The initial test shall be conducted no later than 60 days after commencing operation of the boiler after the effective date of this permit.  
[Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

#### A. EU No(s). 003 - 800 HP Boiler

- A.7. Compliance Tests After the Initial Compliance Test: Visible emission tests after the initial visible emission test shall be conducted during the 105 -365 day period prior to the expiration date of the boiler's current air operation permit.  
[Rule 62-297.310(7)(a)4., F.A.C.]
- A.8. Test Requirements: Visible emission tests shall be a minimum of 60 minutes in duration and shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.  
[Rule 62-297.310(7)(a)9., F.A.C.]
- A.9. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.  
[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

#### MONITORING REQUIREMENTS

- A.10. Fuel Usage Monitor: The boiler shall have its own natural gas usage monitor/meter in order to determine the amount of natural gas combusted/inputted, in cubic feet.  
[Rule 62-4.070(3), F.A.C.]

#### NOTIFICATION REQUIREMENTS

- A.11. Test Notification: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.  
{*Permitting Note: The notification should also include the relevant emission unit ID No(s), test method(s) to be used, and pollutants to be tested.*}  
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]
- A.12. Notification of Operation Commencement: The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the EU No. 001, no later than five (5) business days after that date.  
[Rule 62-4.070, F.A.C.]



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## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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### A. EU No(s). 003 – 800 HP Boiler

#### RECORDS AND REPORTS

A.13. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. Be sure to attach to the test report:

- a. A copy of the log(s) required in Specific Condition No. A.14. for the month the test was conducted.
- b. The actual natural gas input rate in MMBTU/hr. for the test period.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

A.14. Monthly/Daily Logs: The permittee shall maintain the following records:

- a. **Monthly** record the amount of natural gas combusted in the boiler, in cubic feet.
- b. If the most recent visible emission test was conducted at an actual heat input rate of less than 30.9 MMBTU/hr. (90% of 34.3 MMBTU/hr.): In order to determine when a new visible emission test is required as stipulated in Common Testing Condition No. 1. of Appendix D, the permittee shall **daily** record the following until the most recent visible emission test is conducted at a heat input rate of 90-100% of 34.3 MMBTU/hr. (30.9 – 34.3 MMBTU/hr.):
  1. Date.
  2. Facility ID No. and Emission Unit No. (e.g., Facility ID No. 1050127, EU No. 003)
  3. Starting operation time.
  4. Ending operation time.
  5. Total daily hours of operation.
  6. Beginning natural gas usage meter reading, in cubic feet.
  7. Ending natural gas usage meter reading, in cubic feet.
  8. Total natural gas usage in cubic feet.
  9. Natural gas heat content in MMBTU per cubic feet.
  10. Daily average natural gas heat rate in MMBTU/hr.

Monthly records shall be completed by the 15<sup>th</sup> day of the following month and daily records shall be completed by the end of the fifth business day. The records shall be kept at the facility for the most recent three (3) year period.

[Rule 62-4.070(3), F.A.C.; 40 CFR 60.48c(g)(2) and (i)]