

**Permittee:**

Bacardi Bottling Corporation  
PO Box 26368  
Jacksonville, FL 32226-6366

**DRAFT Permit No.:** 0310014-008-AF**Facility ID No.:** 0310014**SIC No(s).:** 20**Project:** Rum Processing Facility

This permit is for the operation of a rum processing facility. This facility is located at 12200 North Main Street, Jacksonville, Duval County, FL 32218; UTM Coordinates: Zone 17, 438.50 km East and 3369.70 km North; Latitude: 30° 27' 35" North and Longitude: 81° 38' 25" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (FS) and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, Florida Administrative Code (FAC). 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 Environmental and Compliance Department, Environmental Quality Division (Department) in accordance with the terms and conditions of this permit.

**Renewal Application Due Date:****Expiration Date:**

**Environmental and Compliance Department**  
**Environmental Quality Division**

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**Robert Steven Pace, P.E., Manager**  
**Air Quality Branch**

RSP/HDS

## Section I. Facility Information

### Subsection A. Facility/Project Description

This permit is for the operation of a rum processing facility. The rum processing operation includes the loading of storage tanks and vessels, the unloading of storage tanks and vessels, the bottling of rum and three steam generating boilers fired by very low sulfur content No. 2 fuel oil.

The facility is a minor source of air pollution because the potential emissions of regulated air pollutants are less than 100 tons per year pursuant to Chapter 62-210, FAC, and Rule 2.301, Jacksonville Environmental Protection Board (JEPB).

### Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

<u>EU No.</u>	<u>EU Description</u>
001	70 Rum Processing, Storage, and Bottling Tanks
002	Cleaver-Brooks 250 HP Boiler (Boiler No. 1)
003	Cleaver-Brooks 80 HP Boiler (Boiler No. 2)
005	Cleaver-Brooks 200 HP Boiler (Boiler No. 4)

### Subsection C. Relevant documents

Air Construction Permit No.: 0310014-007-AC  
Air operating permit application received May 20, 2008

## Section II. Facility Wide Conditions

### Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, FS. 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 process 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), FS, 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. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement 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, as 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;
  - 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 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 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 Sections 403.111 and 403.73, FS. 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 Rules 62-4.120 and 62-730.300, FAC, 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 or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:

- (X) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- (X) Compliance with New Source Performance Standards

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 this 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 date(s) 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 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 corrected promptly.

[Rule 62-4.160, FAC, and Rule 2.1301, JEPB]

#### **Subsection B. Specific Conditions**

- 1. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.  
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]
- 2. The permittee shall apply for a renewal operation permit sixty (60) days prior to the expiration of this permit.  
[Rule 62-4.090, FAC, and Rule 2.1301, JEPB]
- 3. Permittee shall notify the Department fifteen (15) days prior to EU testing.  
[Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, JEPB]
- 4. Copies of the test report(s) shall be filed with the Department within forty-five (45) days of completion of testing.  
[Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]
- 5. Testing of emissions shall be conducted with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at

permitted capacity, then EU may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.

[Rule 62-297.310(2), FAC, and Rule 2.1101, JEPB]

6. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]

7. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter emissions from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. 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.
- 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 re-entrainment, and from buildings or work areas to prevent particulate from becoming 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), FAC, and Rule 2.1001, JEPB]

8. The permittee shall submit all compliance-related notifications and reports required of this permit to the Department at:

Environmental and Compliance Department  
Environmental Quality Division  
117 West Duval Street, Suite 225  
Jacksonville, FL 32202  
Telephone: 904/630-4900  
Fax: 904/630-3638

9. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].
10. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIII.
11. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted, providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period, unless specifically authorized by the Department for longer duration. 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. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.  
[Rule 62-210.700, FAC, and Rule 2.301, JEPB]

### **Section III. Emission Units and Conditions**

#### **Emission Unit No. 001- 70 Rum Processing, Storage, and Bottling Tanks**

Emissions Unit Description – 70 Rum Processing, Storage, and Bottling Tanks

##### **Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year (hrs/yr).  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

##### **Emission Limitations and Standards**

2. The maximum rum process throughput rate shall not exceed 25,000,000 gallons per year.  
[Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. 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 installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.  
[Rule 62-296.320(1)(a), FAC, and Rule 2.1001, JEPB]

#### **Emission Unit No. 002 - 250 HP Boiler**

Emission Unit Description: This EU consists of one steam generating boiler. It is rated at 10.5 MMBTU per hour maximum heat input while firing natural gas and/or very low sulfur content No. 2 fuel oil. The boiler is a Cleaver Brooks model CB-100-250.

40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to the boiler.

##### **Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e., 8,760 hrs/yr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

##### **Emission Limitations and Standards**

2. The maximum heat input for this EU shall be limited to 10.5 MMBtu per hour.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. Fuels which may be fired are natural gas or very low sulfur content No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

4. Particulate Matter (PM) emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.  
[Rule 62-296.406(2), FAC and Rule 2.1001, JEPB]
5. Visible Emissions (VE) shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.  
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]
6. Sulfur dioxide (SO<sub>2</sub>) emissions shall be controlled in accordance with the attached BACT Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight, in accordance with the BACT Determination. The 0.05%, by weight sulfur content limit is more stringent than the 0.5%, by weight sulfur content limit required by 40 CFR 60.42c(d).  
[Rule 62-296.406(3), FAC and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE for each boiler shall be tested annually from the date of January 1, 2008.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content.  
[Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

#### **Record-keeping and Reporting**

10. The owner or operator shall submit reports to the permitting authority concerning the fuel oil sulfur limits to which the boiler is subject. The reports shall include calendar dates covered in the reporting period, fuel oil supplier certifications including the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, a certification from the fuel oil supplier that states the fuel oil contains 0.05% by weight or less sulfur content, and a certified statement from the responsible official that the records of the fuel supplier certifications submitted represent all the fuel oil combusted during the reporting period.  
[40 CFR 60.48c(d), (e), and (f), Rule 62-204.800, FAC, Rule 62-296.406(2), FAC, Rule 2.201, JEPB, and Rule 2.1001, JEPB]
11. The owner and operator shall record and maintain records of the amounts of each fuel combusted during each day.  
[40 CFR 60.48c(g), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
12. The reporting period for specific condition no. 10 shall be every six (6) months. Reports shall be submitted within 30 days of the end of the reporting period, i.e., JAN-JUN report submitted by July 30, and JUL-DEC report submitted by January 30. The postmark date shall be the submitted date.

[40 CFR 60.48c(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Emission Unit No. 003 - 80 HP Boiler**

Emission Unit Description - This EU consists of one steam generating boiler. It is rated at 3.4 MMBTU per hour maximum heat input while firing natural gas and/or very low sulfur content No. 2 fuel oil. The boiler is a Cleaver-Brooks 80 HP model no. CB-100-08.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e., 8,760 hrs/yr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. The maximum heat input for this EU shall be limited to 3.36 MMBtu per hour.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. Fuels which may be fired are natural gas or very low sulfur content No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Particulate Matter (PM) emissions shall be controlled in accordance with the attached BACT Determination.  
[Rule 62-296.406(2), FAC and Rule 2.1001, JEPB]
5. Visible emissions (VE) shall not exceed 20 percent opacity except that VE not exceeding 27 percent opacity are allowed for up to 6 minutes in any one-hour period.  
[Rule 62-296.406(1), FAC, and 2.1001, JEPB]
6. Sulfur dioxide (SO<sub>2</sub>) and particulate matter (PM) emissions shall be controlled by use of No. 2 fuel oil and/or natural gas. The fuel oil shall be limited to 0.05% sulfur content by weight in accordance with the attached BACT Determination.  
[Rule 62-296.406(2) and (3), FAC, and Rule 2.1001, JEPB]

**Test Methods and Procedures**

7. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE for each boiler shall be tested annually from the date of January 1, 2008.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. Fuel oil sulfur content shall be determined for each shipment received. Fuel oil sulfur content may be determined through certification by the fuel oil supplier or an alternate determination may be through the use of ASTM D 2622-94, Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry. Other applicable test methods found in Rule 62-297.440, FAC, and Rule 2.1101, JEPB, Supplementary Test Procedures may be used upon approval by the Department.



Records shall be maintained for a minimum period of two (2) years and shall be provided to the Department upon request.

[Rule 62-297.440(1)(i), FAC, and Rule 2.1101, JEPB]

**Emission Unit No. 005 - 200 HP Boiler**

Emission Unit Description - Steam generating boiler fired by very low sulfur content No. 2 fuel oil and/or natural gas. The boiler is a Cleaver-Brooks 200 HP model no. CB-100-200.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e., 8,760 hrs/yr.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. The maximum heat input for this EU shall be limited to 8.4 MMBtu per hour.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. Fuels which may be fired are natural gas or very low sulfur content No. 2 fuel oil.  
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. Particulate Matter (PM) emissions shall be controlled in accordance with the attached BACT Determination.  
[Rule 62-296.406(2), FAC and Rule 2.1001, JEPB]
5. Visible emissions (VE) shall not exceed 20 percent opacity except that VE not exceeding 27 percent opacity are allowed for up to 6 minutes in any one-hour period.  
[Rule 62-296.406(1), FAC, and 2.1001, JEPB]
6. Sulfur dioxide (SO<sub>2</sub>) and particulate matter (PM) emissions shall be controlled by use of No. 2 fuel oil and/or natural gas. The fuel oil shall be limited to 0.05% sulfur content by weight in accordance with the attached BACT Determination.  
[Rule 62-296.406(2) and (3), FAC, and Rule 2.1001, JEPB]

**Test Methods and Procedures**

7. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.  
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE for each boiler shall be tested annually from the date of January 1, 2008.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. Fuel oil sulfur content shall be determined for each shipment received. Fuel oil sulfur content may be determined through certification by the fuel oil supplier or an alternate determination may be through the use of ASTM D 2622-94, Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry. Other applicable test methods found in Rule 62-297.440, FAC, and Rule 2.1101, JEPB, Supplementary Test Procedures may be used upon approval by the Department.

Records shall be maintained for a minimum period of two (2) years and shall be provided to the Department upon request.

[Rule 62-297.440(1)(i), FAC, and Rule 2.1101, JEPB]

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