

## Section V - Reporting Requirements

According with Rule 112(B) of the RCAP, the permittee must submit a compliance certification, incorporating all requirements specified in this permit, on the first of April of each year. Such certification must contain a certification by the responsible official of its truth, accuracy and completeness, as specified under Rule 602(c)(3) of the RCAP.

## Section VI - Permit Terms

The following table contains a summary of all applicable requirements, as well as the test methods, for all emission units identified in Section II of this permit.

### SB-01 and SB-02-Boilers (SB-01 is of 40 MMBTU/hr. and SB-02 is of 42 MMBTU/hr.) (Bobcox Wilcox)

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Record Keeping Requirements	Reporting Frequency
Emission Limit for Particulate Matter - Rule 406	Particulate Matter	0.3	Pounds/MMBTU of input	Stack test using Method #5 of Appendix A, 40 CFR Part 60 during first year of permit term	Within the first year of the permit	Keep a copy of the final report for a period of five years from the date of the report [Rule 603 (A)(4)(ii)]	Sixty days after the stack test date
SO <sub>2</sub> Emission Limit in the fuel-Rule 410	Sulfur Content	≤ 2.5	Percent by weight	Supplier certification with every purchase	Every time that receive the fuel	Percent Sulfur-Record	Monthly
Fuel Consumption Limit	Residual oil No 6 (Bunker C)	3,920,000	Gals /year	Consumption	Determine monthly consumption	Log book	Annually
Visible emissions limit	Visible Emissions	20	Average Percent 6 minutes	Method 9  Inspection of visible emissions	Six times per year in periods of two months  Daily	Record of each opacity reading  Daily	Sixty (60) days after each reading  Semiannually

### 1- PARTICULATE MATTER EMISSION LIMITS:

- (A) The permittee shall not cause nor permit the emission of particulate matter, from any equipment burning solid or liquid fuel, in excess of 0.3 lb/MMBTU [Rule 406 of the RCAP]

- (B) An annual performance test shall be conducted within the first year of the permit to determine compliance with the standard using EPA Method 5 of Appendix A, 40 CFR Part 60.
- (C) According with Rule 106 (C) of the RCAP, the permittee shall submit a test protocol at least 30 days prior to the start of the test.
- (D) The permittee shall submit a written notification 15 days prior of the test to allow EQB to assign an observer [Rule 106 (D) of RCAP]
- (E) According with Rule 106 (E) of the RCAP, the permittee shall submit a final report within 60 days after the performance of the emission test.
- (F) As specified under Rule 603(A)(4)(ii) of the RCAP, the permittee shall keep a copy of the final report for a period of five (5) years from the date of the test.

2- **SO<sub>2</sub> EMISSION LIMITS IN THE FUEL:**

- (A) As specified under Rule 410 of the RCAP, the permittee shall only burn residual oil No. 6 (Bunker C) with a maximum sulfur content of 2.5% of sulfur by weight
- (B) As specified under Rule 603(A)(4)(ii) of the RCAP, the permittee shall keep all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. This includes a record of monthly fuel consumption and sulfur content of consumed fuels.
- (C) The permittee shall submit, within the first fifteen (15) days of the month following the one being reported, a monthly report indicating the fuel consumption and the sulfur content, by weight.
- (D) With the purpose of determining the sulfur percent in the fuel, the permittee shall record the sulfur content of the latest delivery and shall obtain a sulfur content analysis with each delivery. The sulfur content in the fuel shall be determined using Method ASTM 4294 or ASTM 2880-71.

**3- FUEL CONSUMPTION LIMIT:**

- (A) The permittee shall not exceed 3,290,000 gals./yr of residual oil No. 6 (Bunker C) consumption in the SB-01 and SB-02 units for any period of twelve (12) consecutive months. The permittee shall maintain a daily record of the fuel consumption to demonstrate compliance.

The fuel consumption for any period of twelve (12) consecutive month shall be calculated by adding the total monthly fuel consumption in each unit during the preceding 11 month

- (B) The permittee must install and operate fuel meters in the boilers (SB-01 and SB-02). The fuel meters shall be calibrated every six months or according with the manufacturer's recommendations, whatever is more frequent. The permittee shall maintain all results and calibration methodology available at the facility for EQB personnel inspection
- (C) As specified under Rule 603(A)(4)(ii) of the RCAP, the permittee shall keep all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. This includes a record of the monthly and annual fuel consumption of each combustion unit. Monthly compliance shall be determined by adding the total amount of consumed fuel in the previous eleven months.
- (D) The permittee shall submit every year with the annual compliance certification, an annual report indicating the fuel consumption of each boiler in terms of the monthly and annual consumption.

**4- VISIBLE EMISSIONS LIMIT:**

- (A) The permittee shall not exceed the opacity limit of 20 percent in a six minutes average. Nevertheless, and as specified under Rule 403 (A) of the RCAP, the permittee may discharge into the atmosphere visible emissions of an opacity of up to 60 percent for a period of no more than four (4) minutes in any consecutive thirty (30) minutes period.
- (B) The permittee shall perform six times per year in periods of two months a visible emissions reading using Method 9, as established under 40 CFR Part 60, Appendix A. The permittee shall hire an independent opacity reader properly certified by EQB to perform these tests. These readings shall be performed in periods of approximately two months.

- (C) The permittee shall performed a daily opacity inspection, every time that the emission source is in operation. These inspections shall consist in observing daily for a period of two minutes every stack, to determine if there are visible emissions present, excluding water vapor. The observer shall select a position of at least fifteen (15) feet, but less than 0.25 miles of the source. The sun light shall not focus directly in the observer's eyes. If emissions are observed, the permittee shall do the following:
- 1) Verify that the equipment and/or control equipment that is responsible of the visible emissions is operating according to the manufacturer's specification and the conditions of this permit. If it is not operating properly, corrective actions should be taken immediately to eliminate the excess of opacity.
  - 2) If the corrective actions do not correct the opacity problem in 24 hours, the permittee shall perform an opacity reading following Method 9 of the 40 CFR 60, Appendix A. The permittee shall hire an independent opacity reader properly certified by EQB to perform these tests. The tests shall be performed in every working shift until the problem has been corrected.
  - 3) Every deviation shall be reported to EQB in twenty-four (24) hours.
- (D) The permittee shall submit to the EQB and the EPA a copy of the visible emissions readings report every sixty (60) days of each reading.
- (E) As specified under Rule 603(a)(4)(ii) of the RCAP, the permittee shall keep all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. This includes a record of visible emissions, which contains the dates and times of inspections, as well as information about any corrective measure taken.
- (F) The permittee shall submit, every six months, copies of all daily visible emissions readings records performed according with Condition VI(4)(C).

**RL-01 and RL-02-Rotary Lobe Unit  
GMM-01-Grain Milling**

Condition	Parameter	Value	Units	Test Method	Method Frequency	Record Keeping Requirements	Reporting Frequency
Particulate matter emission limit for non-process sources (Rule 409)	Particulate matter	0.5 or 95% of removal efficiency	Lbs /lbs of emissions	Stack test using Method 5 of Appendix A, in the 40 CFR Part 60, during the first year of effectiveness of the permit	During the first year of effectiveness of the permit	Record of the pressure drop readings and calibrations	Sixty (60) days after the stack test
Total transportation of grains limit	grains	18,000	tons /year	Record	Daily and monthly	Record the transportation of grains daily and monthly	Semiannually

**1- PARTICULATE MATTER EMISSION LIMIT FOR NON PROCESS SOURCES:**

- (A) As specified under Rule 409 of the RCAP, the permittee shall not cause nor permit the emission of particulate matter, in any hour, in excess of 0.05 pounds per pounds of uncontrolled emissions or the 95% control efficiency of any non process source
- (B) Cerveceria India, Inc. shall provide an air pollution control device with 95% of efficiency for the non process source. This control equipment shall be installed, maintained and operated according to the specified operating limitations of the manufacturer.
- (C) The permittee shall read and record daily the pressure drop meters to determine if they are between the range established by the manufacturer. The permittee shall calibrate this meters every six (6) months and, shall keep a log to record the data and the calibration methodology accesible to the EQB personnel.
- (D) The permittee shall perform a stack test during the first year of efectiveness of the permit using Method 5 of Appendix A of the 40 CFR Part 60.
- (E) The permittee shall submit a test protocol at least thirty (30) days before the performance date of the stack test [Rule 106 (C) of the RCAP]

- (F) The permittee shall submit a written notification fifteen (15) days prior of the test, to afford the EQB the opportunity to have an observer present. [Rule 106 (D) of the RCAP]
- (G) The permittee shall submit a final report within sixty (60) days after the stack test. [Rule 106 (E) of the RCAP]
- (H) As specified under Rule 603(A)(4)(ii) of the RCAP, the permittee shall keep all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. This includes a sampling of particulate matter of the Method 5 of Appendix A of the 40 CFR Part 60.

**2- Total transportation of grains limit:**

- (A) The maximum transportation of total grains to the Process Building shall not exceed of 18,000 tons /year.
- (B) The permittee shall not exceed the limits above described in any consecutive twelve (12) month period. The maximum transportation of total grains in any consecutive twelve (12) period shall be calculated by adding the transportation of grains to the total of the transportation of the different grains during the previous eleven (11) months.
- (C) Cerveceria India, Inc. shall keep the monthly log book in the facility in which detail the transportation of total grains.

**Section VII - Insignificant Emission Units**

The following list of insignificant activities was provided by the permittee for a better understanding of its operations and layout. Since there is no requirement to update this list, activities may have changed since this filing.

<b>Emission Unit ID</b>	<b>Description (Basis for exemption)</b>
<b>Cement Storage Silo of grains no. 4 (SS-04)</b>	<b>Emission level less than 1 ton./yr. Any source not exceeding allowable emissions of 2 tons./yr. of any criteria pollutants or 5 tons./yr. of any combinations of criteria pollutants [Appendix B(2) of RCAP].</b>
<b>Cement Storage Silo of grains no. 7 (SS-07)</b>	<b>Emission level less than 1 ton./yr. Any source not exceeding allowable emissions of 2 tons./yr. of any criteria pollutants or 5 tons./yr. of any combinations of criteria pollutants [Appendix B(2) of RCAP].</b>
<b>Cement Storage Silo of grains no. 9 (SS-09)</b>	<b>Emission level less than 1 ton./yr. Any source not exceeding allowable emissions of 2 tons./yr. of any criteria pollutants or 5 tons./yr. of any combinations of criteria pollutants [Appendix B(2) of RCAP].</b>
<b>Cement Storage Silo of grains no. 10 (SS-10)</b>	<b>Emission level less than 1 ton./yr. Any source not exceeding allowable emissions of 2 tons./yr. of any criteria pollutants or 5 tons./yr. of any combinations of criteria pollutants [Appendix B(2) of RCAP].</b>
<b>Cement Storage Silo of grains no. 11 (SS-11)</b>	<b>Emission level less than 1 ton./yr. Any source not exceeding allowable emissions of 2 tons./yr. of any criteria pollutants or 5 tons./yr. of any combinations of criteria pollutants [Appendix B(2) of RCAP].</b>
<b>Cement Storage Silo of grains no. 3, 5, 6 and 8 (SS-03, SS-05, SS-06 and SS-08)</b>	<b>Emit 1.8 ton./yr. Any source not exceeding allowable emissions of 2 tons./yr. of any criteria pollutants or 5 tons./yr. of any combinations of criteria pollutants [Appendix B(2) of RCAP].</b>

Residual Oil no.6 storage tank (Bunker C) (30,000 gals.) (TK-01)	Tank utilized exclusively for storage without heating of organic materials, having a boiling temperature of 300°F or more. [Rule 206 (F)(3) of RCAP]
Diesel storage tank (TK-02) (1,000 gals.)	Tank that has a capacity of less than 10,000 gals. [Appendix B(3)(xi) of RCAP.
Diesel storage tank (TK-03) (1,000 gals.)	Tank that has a capacity of less than 10,000 gals. [Appendix B(3)(xi) of RCAP.

### Section VIII - Permit Shield

According with Rule 603(D) of the RCAP, compliance with the conditions of the permit shall be deemed compliance with any applicable requirement as of the date of permit issuance, but only if such applicable requirement is included and specifically identified in the permit. Moreover, the permittee shall be deemed in compliance with any other requirement specifically identified in the permit as "Non Applicable".

#### (A) Non Applicable Requirements

Non applicable requirements		
State	Federal	Reason
	Limits for Hazardous Air Pollutants	See Section X, Part (B) of the Permit
	Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971 (40 CFR 60, Subpart D)	See Section X, Part (B) of this Permit
	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978 (40 CFR 60, Subpart Da)	See Section X, Part (B) of this Permit
	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60, Subpart Db)	See Section X, Part (B) of this Permit

	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	See Section X, Part (B) of this Permit
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(B) Reasons for Non Applicability

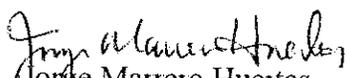
Coding for Non Applicability	
Code	Reason
Limits for Hazardous Air Pollutants	No applicable requirements.
40 CFR 60 Subpart D	The provisions of this subpart apply to the following affected facilities in which each fossil-fuel-fired steam generating unit of more than 73 megawatts heat input rate (250 million BTU per hour)  The emission unit identified such as SB-02 is not affected by this standard because it is 42 million BTU/hr.
40 CFR 60 Subpart Da	This subpart apply in each electric utility steam generating unit that is capable of more than 250 million BTU per hour heat input of fossil fuel (either alone or in combination with any other fuel); and for which construction or modification is commenced after September 18,1978.  The emission unit identified such as SB-02 is not affected by this standard because it is 42 million BTU/hr.
40 CFR 60 Subpart Db	This subpart not applies for sources that commences construction, modification or reconstruction after June 19,1984 and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 MW (100 million Btu/hr)
40 CFR 60 Subpart Dc	This subpart not applies for sources that commences construction, modification or reconstruction after June 9,1989 and that has a maximum design heat input capacity of 29 MW (100 million Btu/hr) or less, but greater than or equal to 2 9 MW (10 million Btu/hr).  The boiler identified such as SB-01 is of the 1954 and the boiler SB-02 is of the 1981

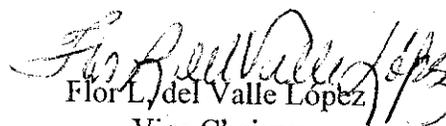
**Section XI - Permit Approval**

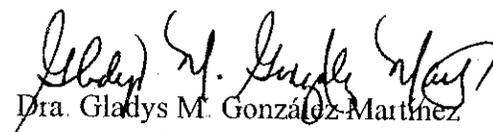
By virtue of the authority conferred upon the Environmental Quality Board by the Public Policy Environmental Act, Law No. 9, June 18, 1970, as amended, and after verifying the administrative record and compliance with the Uniform Administrative Procedure Act, Law No. 170, August 12, 1988, as amended, the Clean Air Act, the Public Policy Environmental Act and the Regulation for the Control of Atmospheric Pollution, the Environmental Quality Board approves this permit subject to all the terms and conditions herein established.

In San Juan, Puerto Rico, *December 28*, 2001.

**ENVIRONMENTAL QUALITY BOARD**

  
Jorge Marrero Huertas  
Associate Member

  
Flor L. del Valle López  
Vice Chairwoman

  
Dra. Gladys M. González-Martínez  
Chairwoman

# APPENDIXES

## Appendix A - Definitions and Abbreviations

### I. Definitions:

1. **Law** - Federal Law of Clean Air
2. **Permittee**- Person and/or entity to which the Puerto Rico Environmental Quality Board has emitted an Operating Permit for an Emission Source under Title V.
3. **Regulation**- Regulation for the Control of Atmospheric Pollution for the Environmental Quality Board.
4. **Responsible Official**- As defined in the Regulation for the Control of Atmospheric Pollution of the Environmental Quality Board.
5. **Title V**- Title V of the Clean Air Act (42 U.S.C. 7661)

### II. Abbreviations:

1. **BTU**- British Thermic Unit
2. **CFR**- United States Code of Federal Regulations
3. **CO**- Carbon Monoxide
4. **EPA**- Environmental Protection Agency
5. **EQB**- Environmental Quality Board
6. **NAAQS**- National Ambient Air Quality Standards
7. **NO<sub>x</sub>**- Nitrogen Oxides
8. **PM<sub>10</sub>**- Particulate Matter whose particulate diameter has a size of aerodynamic mass equal or less than ten (10) microns
9. **RCAP**- Regulation for the Control of Atmospheric Pollution of the Environmental Quality Board
10. **SIC**- Standard Industrial Classification
11. **SO<sub>2</sub>**- Sulfur Dioxide
12. **VOC**- Volatile Organic Compound