Anheuser-Busch, LLC
Jacksonville Brewery
Facility ID No.: 0310006
Duval County

Title V Air Operation Permit Renewal

Final Permit Project No.: 0310006-014-AV

Permitting & Compliance Authority:

State of Florida
Department of Environmental Protection
Waste and Air Resource Management, Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256-7590

Telephone: (904) 256-1700
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Compliance Authority:

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Title V Air Operation Permit Renewal
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Operation and Maintenance Plan

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Permittee:
Anheuser-Busch, LLC
111 Busch Drive
Jacksonville, FL 32218-5595

Final Permit No.: 0310006-014-AV
Facility ID No.: 0310006
SIC Nos.: 20
Project: Title V Air Operation Permit Renewal

The purpose of this permit is to renew Title V Air Operation Permit No. 0310006-012-AV. This existing facility is located at 111 Busch Drive, Jacksonville, Duval County, FL; UTM Coordinates: Zone 17, 438.00 km East and 3366.70 km North; Latitude: 30° 26' 48" North and Longitude: 81° 38' 49" West.

This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (FS), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to 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.

Referenced attachments made a part of this permit:

Statement of Basis
Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix SS-1, STACK SAMPLING FACILITIES
Appendix TT, Turbine Capacity Vs Temperature Chart
Appendix TV-6, Title V Conditions
Appendix U-1, List of Unregulated Emissions Units and/or Activities
Best Available Control Technology Determinations for (4) Boilers, Combustion Turbine, and Duct Burner & Heat Recovery Boiler
Operation and Maintenance Plan

Effective Date:	**August 1, 2013**
Renewal Application Due Date:	**December 18, 2017**
Expiration Date:	**August 1, 2018**

Executed in Jacksonville, Florida

_____
Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management Program

Section I. Facility Information.

Subsection A. Project and Facility Description.

The purpose of this permit is to renew Title V Air Operation Permit No. 0310006-012-AV. Additionally, one emissions unit was added for four (4) existing emergency stationary compression ignition (CI) reciprocating internal combustion engines (RICE). These engines are subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary RICE and Subpart A, General Provisions. Also, Boiler Nos. 1 – 4 are subject to the provisions of 40 CFR 63, Subpart JJJJJJ – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources and Subpart A, General Provisions. (The Heat Recovery Boiler of Emission Unit (EU) No. 028 is not subject to the aforementioned Area Source Boiler NESHAP since a waste heat boiler is excluded from the definition of "Boiler" as defined in 40 CFR 63.11237.) Additionally, EU No. 027 - Combustion Turbine is subject to 40 CFR 60, Subpart GG - Standards of Performance for Stationary Gas Turbines and Subpart A - General Provisions.

This facility produces beer from barley malt, cereal grains, water, hops, and yeast. The brewery is divided into seven (7) major areas: grains handling, brewing, fermenting, finishing, beer packaging and shipping, utilities, and wastewater pretreatment.

Also included in this permit are miscellaneous unregulated and insignificant emissions units and/or activities.

Based on the Title V Air Operation Permit Renewal application received October 10, 2012, this facility is not a major source of hazardous air pollutants (HAPs).

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

E.U. ID No.	Brief Description
001	Boiler No. 1
002	Boiler No. 2
003	Boiler No. 3
004	Boiler No. 4
011	Grain Building Dust Collection System I
012	Grain Building Dust Collection System II
013	Grain Unloading II
017	Grain Unloading I
027	Combustion Turbine
028	Duct Burner & Heat Recovery Boiler
031	Biogas Flare
032	Backup Biogas Flare
033	H_2S Scrubber
035	Filter Media Storage Silos
038	Four (4) Emergency Stationary RICE

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 provided to the permittee for information purposes only:
Table 1-1: Summary of Air Pollutant Standards and Terms
Table 2-1: Summary of Compliance Requirements
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History
Statement of Basis

These documents are on file with the Permitting Authority:
Title V Air Operation Permit Renewal Application received October 10, 2012
Title V Air Operation Permit No. 0310006-012-AV issued February 6, 2009
Request for additional information sent November 21, 2012
Additional information received December 21, 2012

Section II. Facility-wide Conditions

The following conditions apply facility-wide:

1. Appendix TV-6, Title V Conditions, is a part of this permit.
   Permitting note: Appendix TV-6, Title V Conditions, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

2. 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., and Rule 2.1201, JEPB.
   [Rule 62-296.320(4)(b)1 and 4., F.A.C., and Rule 2.1101, JEPB]

3. Prevention of Accidental Releases (Section 112(r) of CAA).
   a. As required by Section 112(r)(7)(B)(iii) of the CAA and 40 CFR 68, the permittee shall submit an updated Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center.

   b. As required under Section 252.941(1)(c), F.S., the permittee shall report to the appropriate representative of the Department of Community Affairs (DCA), as established by department rule, within one working day of discovery of an accidental release of a regulated substance from the stationary source, if the permittee is required to report the release to the United States Environmental Protection Agency under Section 112(r)(6) of the CAA.

   c. The permittee shall submit the required annual registration fee to the DCA on or before April 1, in accordance with Part IV, Chapter 252, F.S., and Rule 9G-21, F.A.C.

   d. Any required written reports, notifications, certifications, and data required to be sent to the DCA, should be sent to: Department of Community Affairs, Division of Emergency Management, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2100, Telephone: (850) 413-9921, Fax: (850) 488-1739.

   e. Any Risk Management Plans, original submittals, revisions, or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

f. Any required reports to be sent to the National Response Center, should be sent to: National Response Center, EPA Office of Solid Waste and Emergency Response, USEPA (5305 W), 401 M Street SW, Washington, D.C. 20460, Telephone: (800) 424-8802.

g. Send the required annual registration fee using approved forms made payable to: Cashier, Department of Community Affairs, State Emergency Response Commission, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2149

[Part IV, Chapter 252, F.S. and Rule 9G-21, F.A.C.]

4. 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 Permitting Authority.
[Rule 62-296.320(1), F.A.C., and Rule 2.1101, JEPB]

5. 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 reentrainment, 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)1 & 3, F.A.C., and Rule 2.1101, JEPB]

6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C., and Rules 2.501 and 2.1401, JEPB]

7. The permittee shall notify the Permitting Authority fifteen (15) days prior to the date of each formal compliance test conducted for an emissions unit.
[Rule 62-297.310(7)(a)9., F.A.C., and Rule 2.1201, JEPB]

8. Stack sampling facilities and control equipment shall be provided with a method of access that is safe and readily accessible. Facilities and control equipment shall meet the occupational Safety and Health Administration (OSHA) Safety and Health Standards as described in 29 CFR 1910, Subparts D and E when designing stack sampling facilities.
[29 CFR 1910, Subpart D and E; Rule 62-297.310(6), F.A.C., and Rule 2.1201, JEPB]

9. Testing of emissions shall be conducted with the emissions unit 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 emissions units may be tested at less capacity; in this case subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emissions unit 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), F.A.C., and Rule 2.1201, JEPB]

10. Copies of the test report(s) shall be filed with the Permitting Authority within forty-five (45) days of completion of testing.
[Rule 62-297.310(8)(b), F.A.C., and Rule 2.1201, JEPB]

11. When appropriate, any recording, monitoring or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C. and Rule 2.501, JEPB]

12. The permittee shall submit all compliance related notifications and reports required of this permit to:

Neighborhoods Department
Environmental Quality Division
214 North Hogan Street, 5th Floor
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

13. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, GA 30303-8960
Telephone: (404) 562-9155
Fax: (404) 562-9163

14. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Permitting Authority and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), FAC. {Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of Appendix TV-6, Title V Conditions)}
[Rules 62-213.440(3) and 62-213.900, F.A.C., and Rule 2.501, JEPB]

15. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), FAC., and Rule 2.501, JEPB]

16. 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 Permitting Authority 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, F.A.C. and Rule 2.1401, 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(1), (4), and (6), F.A.C., and Rule 2.201, JEPB]

17. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), F.A.C., Rule 62-4.130, F.A.C., Rule 2.201, JEPB, and Rule 2.1401, JEPB, deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), F.A.C., and Rule 2.501, JEPB. Unless otherwise specified in **a permit, rule, or order,** reports shall cover the period of January through June (report due on or before September 1) and July through December (report due on or before March 1).
[Rule 62-213.440(1)(b)3., F.A.C., and Rule 2.501, JEPB]

18. Annual Operation Report. The permittee shall submit to the Compliance Authority, each calendar year, on or before April 1, a completed DEP Form No. 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding year.
[Rule 62-210.370(3), F.A.C., and Rule 2.301, JEPB]

19. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-Line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm.
[Rule 62-213.205, F.A.C. and Rule 2.501, JEPB]

20. Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Permitting Authority in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.
    a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
    b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Permitting Authority as soon as possible after the date of such startup is ascertained.

    [Rule 62-210.300(5), F.A.C. and Rule 2.301, JEPB]

21. Unregulated Emission Units and/or Activities Appendix U-1 List of Unregulated Emission Units and/or Activities, is a part of this permit.
[Rule 62-213.440(1), F.A.C., and Rule 2.501, JEPB]

22. Maximum allowable facility wide emissions of Hazardous Air Pollutants (HAP) are restricted to less than 10 TPY for any single HAP and to less than 25 TPY for total HAP(s). Tons per year shall be designated as any 12 consecutive month period.
[Avoid Major Source Classification for HAPs; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

23. Permit Renewal. For purposes of a permit renewal, a timely application is one that is submitted 225 days before the expiration of a permit that expires on or after June 1, 2009.
[Rule 62-213.420(1)(a)2., F.A.C. and Rule 2.501, JEPB]

The following Facility-wide conditions are not federally enforceable:

24. 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), F.A.C., and Rule 2.1101, JEPB]

25. The facility shall be subject to the 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].

26. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

Section III. Emissions Unit(s) and Conditions.

Emissions Unit No. 001 – Boiler No. 1

Emissions Unit Description – The operation of a 97 x 10^6 Btu per hour B&W Boiler providing steam for the brewery fired with No. 2 fuel oil, natural gas, and biogas generated by the anaerobic pretreatment facility.

1. The applicable requirements of ***40 CFR 63, Subpart JJJJJJ – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources*** *and* ***Subpart A, General Provision*** shall apply to this emissions unit.
[40 CFR 63.11193 and 63.11235]

2. The permittee shall submit an initial notification of applicability no later than January 20, 2014 or within 120 days after the boiler becomes subject to the standard.
[40 CFR 63.11225(a)(2)]

3. The permittee shall submit the initial Notification of Compliance Status in accordance with 40 CFR 63.11225(a)(4) no later than 120 days after the compliance date of March 21, 2014.
[40 CFR 63.11225(a)(4)]

Essential Potential to Emit (PTE) Parameters

4. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

5. The maximum heat input rate shall be limited as follows:
   a. 97 x 10^6 Btu per hour while firing natural gas.
   b. 92 x 10^6 Btu per hour and 225 x 10^6 Btu per hour total for Boilers Nos. 1, 2, 3, and 4 while firing No. 2 fuel oil or a combination of No. 2 fuel oil and biogas.
   c. 40 x 10^6 Btu per hour of biogas for Boilers 1, 2, 3, and 4 combined while firing in combination with natural gas or No. 2 fuel oil.

   [Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

6. The annual No. 2 fuel oil usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 11,312,000 gallons.
[Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

7. The natural gas usage for Boiler No. 1 shall not exceed 95,500 cubic feet per hour and 836.58 x 10^6 cubic feet per year.
[Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

8. The maximum biogas usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 57,389 cubic feet per hour.
[Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

9. The maximum production and burning of biogas for the facility shall not exceed 400 x 10^6 cubic feet per year.
[Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

10. Sulfur dioxide (SO_2) and particulate matter (PM) emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination.
[Permit Nos. 0310006-006-AC and AC16-119130; Rules 62-296.406(2) and (3), F.A.C., and Rule 2.1101, JEPB]

11. Nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) emissions shall be controlled in accordance with ~~Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~ the terms and conditions of air construction permit No. 0310006-006-AC.
[Permit No. 0310006-006-AC~~; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~]

12. The maximum allowable emissions shall be limited as follows:

Pollutant	**lbs/hr**	**tons/yr**	**Total (Four Boilers) tons/yr**	**Other lbs/10^6 Btu**
PM (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 9.20 0.50 1.00	 40.30 2.19 1.10	 84.80 8.40 1.10	0.1
SO_2 (No. 2 Fuel Oil) (Natural Gas) (Biogas)	46.33 0.10 73.70	202.93 0.44 37.20	496.25 1.20 37.20	
NO_x (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 36.80 24.30 18.40	 161.18 106.43 20.80	 338.70 424.90 20.80	 0.4 0.25
CO (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 3.10 8.02 4.90	 13.58 35.14 16.80	 28.30 140.55 16.80	
VOC (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 0.20 0.30 1.00	 0.88 1.31 1.10	 3.50 5.20 1.10	

[Permit Nos. 0310006-006-AC and AC16-119130; PSD Avoidance; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB; Permit No. AC16-39951 for PM and NOx]

13. Visible emissions (VE) shall not exceed 20 percent opacity except that VE not exceeding 40 percent opacity are allowed for up to one 2 minute~~s~~ period in any one-hour period.

[Rule 62-296.406(1), F.A.C., and 2.1101, JEPB]

14. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.5% by weight.
[Permit No. 0310006-006-AC; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

15. The permittee shall conduct an initial tune-up in accordance with 40 CFR 63.11223(b) no later than March 21, 2014. and must submit a signed statement in the Notification of Compliance Status report that indicates the permittee conducted a boiler tune-up.
[40 CFR 63.11214(b) and 40 CFR 63.11196(a)(1)]

16. The permittee shall have a one-time energy assessment performed by a qualified energy assessor and achieve compliance with the energy assessment requirement no later than March 21, 2014. The energy assessment shall be conducted in accordance with Table 2 of 40 CFR 63, Subpart JJJJJJ.
[40 CFR 63.11196(a)(3) and 40 CFR 63.11201(b)]

17. The permittee shall comply with the applicable provisions as specified in paragraphs (j)(1) through (3) of 40 CFR 63.11210 for existing affected boilers that have not operated between the effective date of the rule and the compliance date that is specified for the source in 40 CFR 63.11196.
[40 CFR 63.11210(j)]

18. The permittee shall conduct a tune-up of the boiler biennially as specified in paragraphs (b)(1) through (7) of 40 CFR 63.11223 to demonstrate continuous compliance. Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up shall be no later than 25 months after the initial startup of the new or reconstructed boiler.
[40 CFR 63.11223(b)]

Test Methods and Procedures

19. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rules 62-297.310(4), 62-297.401(5), F.A.C., and Rule 2.1201, JEPB]

20. 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., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

21. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

22. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 6, (as described in 40 CFR 60, Appendix A) for sulfur dioxide.
[Rules 62-297.310(4), 62-297.401(6), F.A.C., and Rule 2.1201, JEPB]

23. Testing for demonstration of compliance shall be performed in accordance with EPA RM 7 or 7E (as described in 40 CFR 60, Appendix A) for nitrogen oxides.
[Rules 62-297.310(4), 62-297.401(7) or (7)(e), F.A.C., and Rule 2.1201, JEPB]

24. NO_x shall be tested for permit renewal (i.e., 270 days prior to permit expiration). NO_x testing shall be conducted while burning No. 2 fuel oil.

[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

25. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 10 (as described in 40 CFR 60, Appendix A) for carbon monoxide.
[Rules 62-297.310(4), 62-297.401(10), F.A.C., and Rule 2.1201, JEPB]

26. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 25A (as described in 40 CFR 60, Appendix A) for volatile organic compounds.
[Rules 62-297.310(4), 62-297.401(25)(a), F.A.C., and Rule 2.1201, JEPB]

27. No. 2 fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Methods approved specifically for determining sulfur content in No. 2 fuel oil (distillate oil).
[Rules 62-4.070(3), 62-297.440(1), F.A.C., and Rules 2.1401and 2.1201, JEPB]

Recordkeeping and Reporting Requirements

28. Monthly records shall be maintained for the following:
    a. Cubic feet of natural gas fired
    b. Gallons of No. 2 fuel oil fired
    c. Sulfur content of No. 2 fuel oil
    d. Cubic feet of biogas fired

    Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), F.A.C., and Rule 2.501, JEPB]

29. The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR 63, Subpart JJJJJJ and is an accurate depiction of the facility.
[40 CFR 63.11214(c)]

30. The permittee shall prepare and submit to the permitting authority, upon request, a biennial compliance certification report for the previous calendar year by March 1, containing the information specified in paragraphs (b)(1) and (2) of 40 CFR 63.11225. Subsequent reports shall be prepared by March 1 of every other year.
[40 CFR 63.11225(b)]

31. The permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted.
[40 CFR 63.11225(c)(1)]

32. The permittee shall maintain on-site and submit upon request a report containing the procedures for each boiler tune-up as specified in 40 CFR 63.11223(b)(6).
[40 CFR 63.11223(b)(6)]

33. The permittee shall maintain records that identify each boiler, the date of tune-up, the procedures followed for the tune-up, and the manufacturer's specifications to which the boiler was tuned.
[40 CFR 63.11225(c)(2)(i)]

34. For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR 241.3(b)(1), the permittee shall keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR 241.3(d)(1). If a fuel is combusted that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR 241.3(b)(4), the permittee shall keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR 241.2 and each of the legitimacy criteria in 40 CFR 241.3(d)(1) of this chapter. If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR 241.3(c), the permittee shall keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per 40 CFR 241.4, the permittee shall keep records documenting that the material is a listed non-waste under 40 CFR 241.4(a).
[40 CFR 63.11225(c)(2)(ii)]

35. The permittee shall keep a copy of the energy assessment report.
[40 CFR 63.11225(c)(2)(iii)]

36. The permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
[40 CFR 63.11225(c)(4)]

37. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
[40 CFR 63.11225(c)(5)]

38. If a bag leak detection system is used, the permittee shall keep the records specified in paragraphs (c)(7)(i) through (iii) of 40 CFR 63.11225.
[40 CFR 63.11225(c)(7)]

39. The permittee shall provide 30 days prior notice of the date upon which commencement or recommencement of the combustion of solid waste. The notification shall be in accordance with 40 CFR 63.11225(f)(1) through (4).
[40 CFR 63.11225(f)]

40. If the permittee has switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or has taken a permit limit that resulted in subjection to subpart JJJJJJ, a notice shall be provided of the date upon which the fuels were switched, the physical change made, or the permit limit that was taken within 30 days of the change. The notification shall be in accordance with 40 CFR 63.11225(g)(1) and (2).
[40 CFR 63.11225(g)]

41. All records required in Specific Condition Nos. 29 through 40 and records that document conformance with the work practices, emission reduction measures, and management practices required in 40 CFR 63, Subpart JJJJJJ shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.

[40 CFR 63.11225(c)(2) and 40 CFR 63.11225(d)]

Emissions Unit No. 002 – Boiler No. 2

Emissions Unit Description – The operation of a 97 x 10^6 Btu per hour B&W Boiler providing steam for the brewery fired with No. 2 fuel oil, natural gas, and biogas generated by the anaerobic pretreatment facility.

1. The applicable requirements of ***40 CFR 63, Subpart JJJJJJ – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources*** *and* ***Subpart A, General Provision*** shall apply to this emissions unit.
   [40 CFR 63.11193 and 63.11235]

2. The permittee shall submit an initial notification of applicability no later than January 20, 2014 or within 120 days after the boiler becomes subject to the standard.
   [40 CFR 63.11225(a)(2)]

3. The permittee shall submit the initial Notification of Compliance Status in accordance with 40 CFR 63.11225(a)(4) no later than 120 days after the compliance date of March 21, 2014.
   [40 CFR 63.11225(a)(4)]

Essential Potential to Emit (PTE) Parameters

4. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
   [Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

5. The maximum heat input rate shall be limited as follows:
   a. 97 x 10^6 Btu per hour while firing natural gas.
   b. 92 x 10^6 Btu per hour and 225 x 10^6 Btu per hour total for Boilers Nos. 1, 2, 3, and 4 while firing No. 2 fuel oil or a combination of No. 2 fuel oil and biogas.
   c. 40 x 10^6 Btu per hour of biogas for Boilers 1, 2, 3, and 4 combined while firing in combination with natural gas or No. 2 fuel oil.

   [Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

6. The annual No. 2 fuel oil usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 11,312,000 gallons.
   [Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

7. The natural gas usage for Boiler No. 2 shall not exceed 95,500 cubic feet per hour and 836.58 x 10^6 cubic feet per year.
   [Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

8. The maximum biogas usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 57,389 cubic feet per hour.
   [Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

9. The maximum production and burning of biogas for the facility shall not exceed 400 x 10^6 cubic feet per year.
   [Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

10. Sulfur dioxide (SO_2) and particulate matter (PM) emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination.
[Permit Nos. 0310006-006-AC and AC16-119130; Rules 62-296.406(2) and (3), F.A.C., and Rule 2.1101, JEPB]

11. Nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) emissions shall be controlled in accordance with ~~Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~ the terms and conditions of air construction permit No. 0310006-006-AC.
[Permit No. 0310006-006-AC~~; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~]

12. The maximum allowable emissions shall be limited as follows:

Pollutant	**lbs/hr**	**tons/yr**	**Total (Four Boilers) tons/yr**	**Other lbs/10^6 Btu**
PM (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 9.20 0.50 1.00	 40.30 2.19 1.10	 84.80 8.40 1.10	0.1
SO_2 (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 46.33 0.10 73.70	 202.93 0.44 37.20	 496.25 1.20 37.20	
NO_x (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 36.80 24.30 18.40	 161.18 106.43 20.80	 338.70 424.90 20.80	 0.4 0.25
CO (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 3.10 8.02 4.90	 13.58 35.14 16.80	 28.30 140.55 16.80	
VOC (No. 2 Fuel Oil) (Natural Gas) (Biogas)	 0.20 0.30 1.00	 0.88 1.31 1.10	 3.50 5.20 1.10	

[Permit Nos. 0310006-006-AC and AC16-119130; PSD Avoidance; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB; Permit No. AC16-39951 for PM and NOx]

13. Visible emissions (VE) shall not exceed 20 percent opacity except that VE not exceeding 40 percent opacity are allowed for up to one two minute~~s~~ period in any one-hour period.
[Rule 62-296.406(1), F.A.C., and 2.1101, JEPB]

14. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.5% by weight.
[Permit No. 0310006-006-AC; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

15. The permittee shall conduct an initial tune-up in accordance with 40 CFR 63.11223(b) no later than March 21, 2014~~.~~ and must submit a signed statement in the Notification of Compliance Status report that indicates the permittee conducted a boiler tune-up.
[40 CFR 63.11214(b) and 40 CFR 63.11196(a)(1)]

16. The permittee shall have a one-time energy assessment performed by a qualified energy assessor and achieve compliance with the energy assessment requirement no later than March 21, 2014. The energy assessment shall be conducted in accordance with Table 2 of 40 CFR 63, Subpart JJJJJJ.
[40 CFR 63.11196(a)(3) and 40 CFR 63.11201(b)]

17. The permittee shall comply with the applicable provisions as specified in paragraphs (j)(1) through (3) of 40 CFR 63.11210 for existing affected boilers that have not operated between the effective date of the rule and the compliance date that is specified for the source in 40 CFR 63.11196.
[40 CFR 63.11210(j)]

18. The permittee shall conduct a tune-up of the boiler biennially as specified in paragraphs (b)(1) through (7) of 40 CFR 63.11223 to demonstrate continuous compliance. Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up shall be no later than 25 months after the initial startup of the new or reconstructed boiler.
[40 CFR 63.11223(b)]

Test Methods and Procedures

19. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rules 62-297.310(4), 62-297.401(5), F.A.C., and Rule 2.1201, JEPB]

20. 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., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

21. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

22. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 6, (as described in 40 CFR 60, Appendix A) for sulfur dioxide.
[Rules 62-297.310(4), 62-297.401(6), F.A.C., and Rule 2.1201, JEPB]

23. Testing for demonstration of compliance shall be performed in accordance with EPA RM 7 or 7E (as described in 40 CFR 60, Appendix A) for nitrogen oxides.
[Rules 62-297.310(4), 62-297.401(7) or (7)(e), F.A.C., and Rule 2.1201, JEPB]

24. NO_x shall be tested for permit renewal (i.e., 270 days prior to permit expiration). NO_x testing shall be conducted while burning No. 2 fuel oil.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

25. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 10 (as described in 40 CFR 60, Appendix A) for carbon monoxide.
[Rules 62-297.310(4), 62-297.401(10), F.A.C., and Rule 2.1201, JEPB]

26. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 25A (as described in 40 CFR 60, Appendix A) for volatile organic compounds.
[Rules 62-297.310(4), 62-297.401(25)(a), F.A.C., and Rule 2.1201, JEPB]

27. No. 2 fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Methods approved specifically for determining sulfur content in No. 2 fuel oil (distillate oil).
[Rules 62-4.070(3), 62-297.440(1), F.A.C., and Rules 2.1401and 2.1201, JEPB]

Recordkeeping and Reporting Requirements

28. Monthly records shall be maintained for the following:
    a. Cubic feet of natural gas fired
    b. Gallons of No. 2 fuel oil fired
    c. Sulfur content of No. 2 fuel oil
    d. Cubic feet of biogas fired

    Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), F.A.C., and Rule 2.501, JEPB]

29. The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR 63, Subpart JJJJJJ and is an accurate depiction of the facility.
[40 CFR 63.11214(c)]

30. The permittee shall prepare and submit to the permitting authority, upon request, a biennial compliance certification report for the previous calendar year by March 1, containing the information specified in paragraphs (b)(1) and (2) of 40 CFR 63.11225. Subsequent reports shall be prepared by March 1 of every other year.
[40 CFR 63.11225(b)]

31. The permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted.
[40 CFR 63.11225(c)(1)]

32. The permittee shall maintain on-site and submit upon request a report containing the procedures for each boiler tune-up as specified in 40 CFR 63.11223(b)(6).
[40 CFR 63.11223(b)(6)]

33. The permittee shall maintain records that identify each boiler, the date of tune-up, the procedures followed for the tune-up, and the manufacturer's specifications to which the boiler was tuned.
[40 CFR 63.11225(c)(2)(i)]

34. For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR 241.3(b)(1), the permittee shall keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR 241.3(d)(1). If a fuel is combusted that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR 241.3(b)(4), the permittee shall keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR 241.2 and each of the legitimacy criteria in 40 CFR 241.3(d)(1) of this chapter. If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR 241.3(c), the permittee shall keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that

combust non-hazardous secondary materials as fuel per 40 CFR 241.4, the permittee shall keep records documenting that the material is a listed non-waste under 40 CFR 241.4(a).
[40 CFR 63.11225(c)(2)(ii)]

35. The permittee shall keep a copy of the energy assessment report.
[40 CFR 63.11225(c)(2)(iii)]

36. The permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
[40 CFR 63.11225(c)(4)]

37. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
[40 CFR 63.11225(c)(5)]

38. If a bag leak detection system is used, the permittee shall keep the records specified in paragraphs (c)(7)(i) through (iii) of 40 CFR 63.11225.
[40 CFR 63.11225(c)(7)]

39. The permittee shall provide 30 days prior notice of the date upon which commencement or recommencement of the combustion of solid waste. The notification shall be in accordance with 40 CFR 63.11225(f)(1) through (4).
[40 CFR 63.11225(f)]

40. If the permittee has switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or has taken a permit limit that resulted in subjection to subpart JJJJJJ, a notice shall be provided of the date upon which the fuels were switched, the physical change made, or the permit limit that was taken within 30 days of the change. The notification shall be in accordance with 40 CFR 63.11225(g)(1) and (2).
[40 CFR 63.11225(g)]

41. All records required in Specific Condition Nos. 29 through 40 and records that document conformance with the work practices, emission reduction measures, and management practices required in 40 CFR 63, Subpart JJJJJJ shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[40 CFR 63.11225(c)(2) and 40 CFR 63.11225(d)]

Emissions Unit No. 003 – Boiler No. 3

Emissions Unit Description – The operation of a 97 x 10^6 Btu per hour B&W Boiler providing steam for the brewery fired with No. 2 fuel oil, natural gas, and biogas generated by the anaerobic pretreatment facility.

1. The applicable requirements of ***40 CFR 63, Subpart JJJJJJ – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources*** *and* ***Subpart A, General Provision*** shall apply to this emissions unit.
   [40 CFR 63.11193 and 63.11235]

2. The permittee shall submit an initial notification of applicability no later than January 20, 2014 or within 120 days after the boiler becomes subject to the standard.
   [40 CFR 63.11225(a)(2)]

3. The permittee shall submit the initial Notification of Compliance Status in accordance with 40 CFR 63.11225(a)(4) no later than 120 days after the compliance date of March 21, 2014.
   [40 CFR 63.11225(a)(4)]

Essential Potential to Emit (PTE) Parameters

4. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
   [Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

5. The maximum heat input rate shall be limited as follows:
   a. 97 x 10^6 Btu per hour while firing natural gas.
   b. 92 x 10^6 Btu per hour and 225 x 10^6 Btu per hour total for Boilers Nos. 1, 2, 3, and 4 while firing No. 2 fuel oil or a combination of No. 2 fuel oil and biogas.
   c. 40 x 10^6 Btu per hour of biogas for Boilers 1, 2, 3, and 4 combined while firing in combination with natural gas or No. 2 fuel oil.

   [Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

6. The annual No. 2 fuel oil usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 11,312,000 gallons.
   [Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

7. The natural gas usage for Boiler No. 3 shall not exceed 95,500 cubic feet per hour and 836.58 x 10^6 cubic feet per year.
   [Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

8. The maximum biogas usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 57,389 cubic feet per hour.
   [Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

9. The maximum production and burning of biogas for the facility shall not exceed 400 x 10^6 cubic feet per year.
   [Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

10. Sulfur dioxide (SO_2) and particulate matter (PM) emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination.
    [Permit Nos. 0310006-006-AC and AC16-119130; Rules 62-296.406(2) and (3), F.A.C., and Rule 2.1101, JEPB]

11. Nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) emissions shall be controlled in accordance with ~~Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~ the terms and conditions of air construction permit No. 0310006-006-AC.
    [Permit No. 0310006-006-AC~~; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~]

12. The maximum allowable emissions shall be limited as follows:

Pollutant	lbs/hr	tons/yr	Total (Four Boilers) tons/yr	Other lbs/10^6 Btu
PM				0.1
(No. 2 Fuel Oil)	9.20	40.30	84.80	
(Natural Gas)	0.50	2.19	8.40	
(Biogas)	1.00	1.10	1.10	
SO_2				
(No. 2 Fuel Oil)	46.33	202.93	496.25	
(Natural Gas)	0.10	0.44	1.20	
(Biogas)	73.70	37.20	37.20	
NO_x				
(No. 2 Fuel Oil)	36.80	161.18	338.70	0.4
(Natural Gas)	24.30	106.43	424.90	0.25
(Biogas)	18.40	20.80	20.80	
CO				
(No. 2 Fuel Oil)	3.10	13.58	28.30	
(Natural Gas)	8.02	35.14	140.55	
(Biogas)	4.90	16.80	16.80	
VOC				
(No. 2 Fuel Oil)	0.20	0.88	3.50	
(Natural Gas)	0.30	1.31	5.20	
(Biogas)	1.00	1.10	1.10	

[Permit Nos. 0310006-006-AC and AC16-119130; PSD Avoidance; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB; Permit No. AC16-39951 for PM and NOx]

13. Visible emissions (VE) shall not exceed 20 percent opacity except that VE not exceeding 40 percent opacity are allowed for up to one two minute~~s~~ period in any one-hour period.
[Rule 62-296.406(1), F.A.C., and 2.1101, JEPB]

14. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.5% by weight.
[Permit No. 0310006-006-AC; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

15. The permittee shall conduct an initial tune-up in accordance with 40 CFR 63.11223(b) no later than March 21, 2014~~.~~ and must submit a signed statement in the Notification of Compliance Status report that indicates the permittee conducted a boiler tune-up.
[40 CFR 63.11214(b) and 40 CFR 63.11196(a)(1)]

16. The permittee shall have a one-time energy assessment performed by a qualified energy assessor and achieve compliance with the energy assessment requirement no later than March 21, 2014. The energy assessment shall be conducted in accordance with Table 2 of 40 CFR 63, Subpart JJJJJJ.
[40 CFR 63.11196(a)(3) and 40 CFR 63.11201(b)]

17. The permittee shall comply with the applicable provisions as specified in paragraphs (j)(1) through (3) of 40 CFR 63.11210 for existing affected boilers that have not operated between the effective date of the rule and the compliance date that is specified for the source in 40 CFR 63.11196.

[40 CFR 63.11210(j)]

18. The permittee shall conduct a tune-up of the boiler biennially as specified in paragraphs (b)(1) through (7) of 40 CFR 63.11223 to demonstrate continuous compliance. Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up shall be no later than 25 months after the initial startup of the new or reconstructed boiler.
[40 CFR 63.11223(b)]

Test Methods and Procedures

19. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rules 62-297.310(4), 62-297.401(5), F.A.C., and Rule 2.1201, JEPB]

20. 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., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

21. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

22. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 6, (as described in 40 CFR 60, Appendix A) for sulfur dioxide.
[Rules 62-297.310(4), 62-297.401(6), F.A.C., and Rule 2.1201, JEPB]

23. Testing for demonstration of compliance shall be performed in accordance with EPA RM 7 or 7E (as described in 40 CFR 60, Appendix A) for nitrogen oxides.
[Rules 62-297.310(4), 62-297.401(7) or (7)(e), F.A.C., and Rule 2.1201, JEPB]

24. NO_x shall be tested for permit renewal (i.e., 270 days prior to permit expiration). NO_x testing shall be conducted while burning No. 2 fuel oil.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

25. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 10 (as described in 40 CFR 60, Appendix A) for carbon monoxide.
[Rules 62-297.310(4), 62-297.401(10), F.A.C., and Rule 2.1201, JEPB]

26. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 25A (as described in 40 CFR 60, Appendix A) for volatile organic compounds.
[Rules 62-297.310(4), 62-297.401(25)(a), F.A.C., and Rule 2.1201, JEPB]

27. No. 2 fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Methods approved specifically for determining sulfur content in No. 2 fuel oil (distillate oil).
[Rules 62-4.070(3), 62-297.440(1), F.A.C., and Rules 2.1401and 2.1201, JEPB]

Recordkeeping and Reporting Requirements

28. Monthly records shall be maintained for the following:
    a. Cubic feet of natural gas fired
    b. Gallons of No. 2 fuel oil fired

c. Sulfur content of No. 2 fuel oil
d. Cubic feet of biogas fired

Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), F.A.C., and Rule 2.501, JEPB]

29. The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR 63, Subpart JJJJJJ and is an accurate depiction of the facility.
[40 CFR 63.11214(c)]

30. The permittee shall prepare and submit to the permitting authority, upon request, a biennial compliance certification report for the previous calendar year by March 1, containing the information specified in paragraphs (b)(1) and (2) of 40 CFR 63.11225. Subsequent reports shall be prepared by March 1 of every other year.
[40 CFR 63.11225(b)]

31. The permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted.
[40 CFR 63.11225(c)(1)]

32. The permittee shall maintain on-site and submit upon request a report containing the procedures for each boiler tune-up as specified in 40 CFR 63.11223(b)(6).
[40 CFR 63.11223(b)(6)]

33. The permittee shall maintain records that identify each boiler, the date of tune-up, the procedures followed for the tune-up, and the manufacturer's specifications to which the boiler was tuned.
[40 CFR 63.11225(c)(2)(i)]

34. For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR 241.3(b)(1), the permittee shall keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR 241.3(d)(1). If a fuel is combusted that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR 241.3(b)(4), the permittee shall keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR 241.2 and each of the legitimacy criteria in 40 CFR 241.3(d)(1) of this chapter. If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR 241.3(c), the permittee shall keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per 40 CFR 241.4, the permittee shall keep records documenting that the material is a listed non-waste under 40 CFR 241.4(a).
[40 CFR 63.11225(c)(2)(ii)]

35. The permittee shall keep a copy of the energy assessment report.
[40 CFR 63.11225(c)(2)(iii)]

36. The permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

[40 CFR 63.11225(c)(4)]

37. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
[40 CFR 63.11225(c)(5)]

38. If a bag leak detection system is used, the permittee shall keep the records specified in paragraphs (c)(7)(i) through (iii) of 40 CFR 63.11225.
[40 CFR 63.11225(c)(7)]

39. The permittee shall provide 30 days prior notice of the date upon which commencement or recommencement of the combustion of solid waste. The notification shall be in accordance with 40 CFR 63.11225(f)(1) through (4).
[40 CFR 63.11225(f)]

40. If the permittee has switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or has taken a permit limit that resulted in subjection to subpart JJJJJJ, a notice shall be provided of the date upon which the fuels were switched, the physical change made, or the permit limit that was taken within 30 days of the change. The notification shall be in accordance with 40 CFR 63.11225(g)(1) and (2).
[40 CFR 63.11225(g)]

41. All records required in Specific Condition Nos. 29 through 40 and records that document conformance with the work practices, emission reduction measures, and management practices required in 40 CFR 63, Subpart JJJJJJ shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[40 CFR 63.11225(c)(2) and 40 CFR 63.11225(d)]

Emissions Unit No. 004 – Boiler No. 4

Emissions Unit Description – The operation of a 97 x 10^6 Btu per hour B&W Boiler providing steam for the brewery fired with No. 2 fuel oil, natural gas, and biogas generated by the anaerobic pretreatment facility.

1. The applicable requirements of ***40 CFR 63, Subpart JJJJJJ – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources*** *and* ***Subpart A, General Provision*** shall apply to this emissions unit.
[40 CFR 63.11193 and 63.11235]

2. The permittee shall submit an initial notification of applicability no later than January 20, 2014 or within 120 days after the boiler becomes subject to the standard.
[40 CFR 63.11225(a)(2)]

3. The permittee shall submit the initial Notification of Compliance Status in accordance with 40 CFR 63.11225(a)(4) no later than 120 days after the compliance date of March 21, 2014.
[40 CFR 63.11225(a)(4)]

Essential Potential to Emit (PTE) Parameters

4. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

5. The maximum heat input rate shall be limited as follows:
   a. 97 x 10^6 Btu per hour while firing natural gas.
   b. 92 x 10^6 Btu per hour and 225 x 10^6 Btu per hour total for Boilers Nos. 1, 2, 3, and 4 while firing No. 2 fuel oil or a combination of No. 2 fuel oil and biogas.
   c. 40 x 10^6 Btu per hour of biogas for Boilers 1, 2, 3, and 4 combined while firing in combination with natural gas or No. 2 fuel oil.

   [Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

6. The annual No. 2 fuel oil usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 11,312,000 gallons.
[Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

7. The natural gas usage for Boiler No. 4 shall not exceed 95,500 cubic feet per hour and 836.58 x 10^6 cubic feet per year.
[Permit Nos. 0310006-006-AC and AC16-119130; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

8. The maximum biogas usage for Boilers Nos. 1, 2, 3, and 4 shall not exceed 57,389 cubic feet per hour.
[Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

9. The maximum production and burning of biogas for the facility shall not exceed 400 x 10^6 cubic feet per year.
[Permit No. 0310006-006-AC; Rule 62-212.400, F.A.C., and Rule 2.401, JEPB]

10. Sulfur dioxide (SO_2) and particulate matter (PM) emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination.
[Permit Nos. 0310006-006-AC and AC16-119130; Rules 62-296.406(2) and (3), F.A.C., and Rule 2.1101, JEPB]

11. Nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) emissions shall be controlled in accordance with ~~Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~ the terms and conditions of air construction permit No. 0310006-006-AC.
[Permit No. 0310006-006-AC~~; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB~~]

12. The maximum allowable emissions shall be limited as follows:

Pollutant	lbs/hr	tons/yr	Total (Four Boilers) tons/yr	Other lbs/10^6 Btu
PM (No. 2 Fuel Oil) (Natural Gas) (Biogas)	9.20 0.50 1.00	40.30 2.19 1.10	84.80 8.40 1.10	0.1
SO_2 (No. 2 Fuel Oil) (Natural Gas) (Biogas)	46.33 0.10 73.70	202.93 0.44 37.20	496.25 1.20 37.20	

Pollutant	lbs/hr	tons/yr	Total (Four Boilers) tons/yr	Other lbs/10^6 Btu
NO_x				
(No. 2 Fuel Oil)	36.80	161.18	338.70	0.4
(Natural Gas)	24.30	106.43	424.90	0.25
(Biogas)	18.40	20.80	20.80	
CO				
(No. 2 Fuel Oil)	3.10	13.58	28.30	
(Natural Gas)	8.02	35.14	140.55	
(Biogas)	4.90	16.80	16.80	
VOC				
(No. 2 Fuel Oil)	0.20	0.88	3.50	
(Natural Gas)	0.30	1.31	5.20	
(Biogas)	1.00	1.10	1.10	

[Permit Nos. 0310006-006-AC and AC16-119130; PSD Avoidance; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB; Permit No. AC16-39951 for PM and NOx]

13. Visible emissions (VE) shall not exceed 20 percent opacity except that VE not exceeding 40 percent opacity are allowed for up to one 2 minute~~s~~ period in any one-hour period.
[Rule 62-296.406(1), F.A.C., and 2.1101, JEPB]

14. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.5% by weight.
[Permit No. 0310006-006-AC; Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

15. The permittee shall conduct an initial tune-up in accordance with 40 CFR 63.11223(b) no later than March 21, 2014~~.~~ and must submit a signed statement in the Notification of Compliance Status report that indicates the permittee conducted a boiler tune-up.
[40 CFR 63.11214(b) and 40 CFR 63.11196(a)(1)]

16. The permittee shall have a one-time energy assessment performed by a qualified energy assessor and achieve compliance with the energy assessment requirement no later than March 21, 2014. The energy assessment shall be conducted in accordance with Table 2 of 40 CFR 63, Subpart JJJJJJ.
[40 CFR 63.11196(a)(3) and 40 CFR 63.11201(b)]

17. The permittee shall comply with the applicable provisions as specified in paragraphs (j)(1) through (3) of 40 CFR 63.11210 for existing affected boilers that have not operated between the effective date of the rule and the compliance date that is specified for the source in 40 CFR 63.11196.
[40 CFR 63.11210(j)]

18. The permittee shall conduct a tune-up of the boiler biennially as specified in paragraphs (b)(1) through (7) of 40 CFR 63.11223 to demonstrate continuous compliance. Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up shall be no later than 25 months after the initial startup of the new or reconstructed boiler.
[40 CFR 63.11223(b)]

Test Methods and Procedures

19. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rules 62-297.310(4), 62-297.401(5), F.A.C., and Rule 2.1201, JEPB]

20. 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., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

21. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

22. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 6, (as described in 40 CFR 60, Appendix A) for sulfur dioxide.
[Rules 62-297.310(4), 62-297.401(6), F.A.C., and Rule 2.1201, JEPB]

23. Testing for demonstration of compliance shall be performed in accordance with EPA RM 7 or 7E (as described in 40 CFR 60, Appendix A) for nitrogen oxides.
[Rules 62-297.310(4), 62-297.401(7) or (7)(e), F.A.C., and Rule 2.1201, JEPB]

24. NO_x shall be tested for permit renewal (i.e., 270 days prior to permit expiration). NO_x testing shall be conducted while burning No. 2 fuel oil.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

25. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 10 (as described in 40 CFR 60, Appendix A) for carbon monoxide.
[Rules 62-297.310(4), 62-297.401(10), F.A.C., and Rule 2.1201, JEPB]

26. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 25A (as described in 40 CFR 60, Appendix A) for volatile organic compounds.
[Rules 62-297.310(4), 62-297.401(25)(a), F.A.C., and Rule 2.1201, JEPB]

27. No. 2 fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Methods approved specifically for determining sulfur content in No. 2 fuel oil (distillate oil).
[Rules 62-4.070(3), 62-297.440(1), F.A.C., and Rules 2.1401and 2.1201, JEPB]

Recordkeeping and Reporting Requirements

28. Monthly records shall be maintained for the following:
    a. Cubic feet of natural gas fired
    b. Gallons of No. 2 fuel oil fired
    c. Sulfur content of No. 2 fuel oil
    d. Cubic feet of biogas fired

    Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
    [Rule 62-213.440(1)(b), F.A.C., and Rule 2.501, JEPB]

29. The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR 63, Subpart JJJJJJ and is an accurate depiction of the facility.
[40 CFR 63.11214(c)]

30. The permittee shall prepare and submit to the permitting authority, upon request, a biennial compliance certification report for the previous calendar year by March 1, containing the information specified in paragraphs (b)(1) and (2) of 40 CFR 63.11225. Subsequent reports shall be prepared by March 1 of every other year.
[40 CFR 63.11225(b)]

31. The permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted.
[40 CFR 63.11225(c)(1)]

32. The permittee shall maintain on-site and submit upon request a report containing the procedures for each boiler tune-up as specified in 40 CFR 63.11223(b)(6).
[40 CFR 63.11223(b)(6)]

33. The permittee shall maintain records that identify each boiler, the date of tune-up, the procedures followed for the tune-up, and the manufacturer's specifications to which the boiler was tuned.
[40 CFR 63.11225(c)(2)(i)]

34. For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR 241.3(b)(1), the permittee shall keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR 241.3(d)(1). If a fuel is combusted that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR 241.3(b)(4), the permittee shall keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR 241.2 and each of the legitimacy criteria in 40 CFR 241.3(d)(1) of this chapter. If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR 241.3(c), the permittee shall keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per 40 CFR 241.4, the permittee shall keep records documenting that the material is a listed non-waste under 40 CFR 241.4(a).
[40 CFR 63.11225(c)(2)(ii)]

35. The permittee shall keep a copy of the energy assessment report.
[40 CFR 63.11225(c)(2)(iii)]

36. The permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
[40 CFR 63.11225(c)(4)]

37. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to

restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
[40 CFR 63.11225(c)(5)]

38. If a bag leak detection system is used, the permittee shall keep the records specified in paragraphs (c)(7)(i) through (iii) of 40 CFR 63.11225.
[40 CFR 63.11225(c)(7)]

39. The permittee shall provide 30 days prior notice of the date upon which commencement or recommencement of the combustion of solid waste. The notification shall be in accordance with 40 CFR 63.11225(f)(1) through (4).
[40 CFR 63.11225(f)]

40. If the permittee has switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or has taken a permit limit that resulted in subjection to subpart JJJJJJ, a notice shall be provided of the date upon which the fuels were switched, the physical change made, or the permit limit that was taken within 30 days of the change. The notification shall be in accordance with 40 CFR 63.11225(g)(1) and (2).
[40 CFR 63.11225(g)]

41. All records required in Specific Condition Nos. 29 through 40 and records that document conformance with the work practices, emission reduction measures, and management practices required in 40 CFR 63, Subpart JJJJJJ shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[40 CFR 63.11225(c)(2) and 40 CFR 63.11225(d)]

Emissions Unit No. 011 – Grain Building Dust Collection System I

Emissions Unit Description – The dust collection system for the Grains Building.

Particulate matter (PM) control device - Buhler MIAG AFSA 64-8 Type A-25 Bag Filter

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed *60,000 pounds per hour.
[~~Requested by Applicant (Title V Renewal application No. 0310006-014-AV),~~ Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. The nominal volumetric flow rate from this emissions unit is 6,700 cubic feet per minute.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), F.A.C. and Rule 2.1101, JEPB];

Maximum Allowable Emission Rates [Rule 62-296.700(4), F.A.C. and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), F.A.C. and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), F.A.C. and Rule 2.1101, JEPB] shall apply to this emissions unit.

5. PM emissions shall not exceed 0.03 grains per dry standard cubic foot, 1.72 pounds per hour, and 7.53 tons per year.
[Rule 62-296.711(2), F.A.C., and Rule 2.1101, JEPB]

6. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), F.A.C., and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), F.A.C., and Rule 2.1201, JEPB]

8. 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., F.A.C., and Rule 2.1201, JEPB]

9. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

10. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of five (5) years.
[Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB]

* Permitting note: (Change from 80,000 lbs/hr to 60,000 lbs/hr) This is to provide consistency with the maximum process rate of the Grain Unloading I system (EU No. 017).

Emissions Unit No. 012 – Grain Building Dust Collection System II

Emissions Unit Description – The dust collection system for the Grains Building.

Particulate matter (PM) control device - Buhler MIAG AFSA 64-8 Type A-25 Bag Filter

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 80,000 pounds per hour.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. The nominal volumetric flow rate from this emissions unit is 6,700 cubic feet per minute.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), F.A.C., and Rule 2.1101, JEPB]; **Maximum Allowable Emission Rates** [Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), F.A.C., and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB] shall apply to this emissions unit.

5. PM emissions shall not exceed 0.03 grains per dry standard cubic foot, 1.72 pounds per hour, and 7.53 tons per year.
[Rule 62-296.711(2)(b), F.A.C., and Rule 2.1101, JEPB]

6. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), F.A.C., and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), F.A.C., and Rule 2.1201, JEPB]

8. 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., F.A.C., and Rule 2.1201, JEPB]

9. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

10. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of five (5) years.
[Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB]

Emissions Unit No. 013 – Grain Unloading II

Emissions Unit Description – The operation of the pneumatic grain unloading system for transferring grain from railcars to storage bins.

Particulate matter (PM) control device - Buhler Model RPPR-41/6 Bag Filter

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 80,000 pounds per hour.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. The nominal volumetric flow rate from this emissions unit is 2,600 cubic feet per minute.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB; Permit 0310006-008-AC]

3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), F.A.C., and Rule 2.1101, JEPB]; **Maximum Allowable Emission Rates** [Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), F.A.C., and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB] shall apply to this emissions unit.

5. PM emissions shall not exceed 0.03 grains per dry standard cubic foot, 0.67 pound per hour, and 2.93 tons per year.
[Rule 62-296.711(2)(b), F.A.C., and Rule 2.1101, JEPB; Permit 0310006-008-AC]

6. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), F.A.C., and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rules 62-297.310(4), 62-297.401(5), F.A.C., and Rule 2.1201, JEPB]

8. 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., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

9. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

10. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of five (5) years.
[Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB]

Emissions Unit No. 017 – Grain Unloading I

Emissions Unit Description – The operation of the pneumatic grain unloading system for transferring grain from railcars to storage bins.

Particulate matter (PM) control device - Carter Day Model 24RJ60 Dust Collector

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 60,000 pounds per hour.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. The nominal volumetric flow rate from this emissions unit is 2,300 cubic feet per minute.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), F.A.C., and Rule 2.1101, JEPB]; **Maximum Allowable Emission Rates** [Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), F.A.C., and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB] shall apply to this emissions unit.

5. PM emissions shall not exceed 0.03 grains per dry standard cubic foot, 0.59 pound per hour, and 2.58 tons per year.
[Rule 62-296.711(2)(b), F.A.C., and Rule 2.1101, JEPB]

6. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), F.A.C., and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rules 62-297.310(4), 62-297.401(5), F.A.C., and Rule 2.1201, JEPB]

8. 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., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

9. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

10. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of five (5) years.
[Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB]

Emissions Unit No. 027 - Combustion Turbine

Emissions Unit Description - A 97.7 x 10^6 Btu per hour Solar Mars gas fired turbine equipped with a 9.114 MW generator. The combustion turbine is subject to a determination of Prevention of Significant Deterioration (PSD-FL-115), and Best Available Control Technology (BACT) for nitrogen oxides.

Essential Potential to Emit (PTE) Parameters

1. The maximum heat input shall not exceed 97.7 x 10^6 Btu per hour of natural gas corrected to ISO conditions (based on lower heating value as described in 40 CFR 60, Subpart GG). Natural gas consumption shall be limited to 106,970 cubic feet per hour corrected to ISO conditions.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The combustion turbine shall be subject to the provisions of ***40 CFR 60, Subpart GG - Standards of Performance for Stationary Gas Turbines*** *and* ***Subpart A - General Provisions.***

4. Emissions of nitrogen oxides (NO_x) shall be limited as follows:

$$STD = 0.0150 \frac{(14.4)}{Y} + F$$

Where:
STD = allowable NO_x emissions (percent by volume at 15 percent oxygen and on a dry basis).
Y = manufacturers' rated heat rate at manufacturers' rated peak load (kilojoules per watt hour), or actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour.
F = NO_x emission allowance for fuel-bound nitrogen as defined in the following:
F shall be defined according to the nitrogen content of the fuel

Fuel-bound nitrogen (percent by weight)	F (NO_x percent by volume)
N<0.015	0
0.015<N<0.1	0.04 (N)
0.1<N<0.25	0.004+0.0067 (N-0.1)
N>0.25	0.005

Where: N = the nitrogen content of the fuel (percent by weight)
[40 CFR 60.332(a)(2), Rule 62-212.400(5), F.A.C., and Rule 2.401, JEPB]

5. NO_x emissions shall not exceed 75.00 pounds per hour and 328.50 tons per year in accordance with the BACT Determination.
[Rule 62-212.400(5), F.A.C., and Rule 2.401, JEPB]

6. Emissions of sulfur dioxide in the discharge gases shall not exceed 0.015 percent by volume at 15 percent oxygen and on a dry basis in accordance with 40 CFR 60.333(a).
[Rule 62-204.800, F.A.C., and Rule 2.501, JEPB]

7. VE shall not exceed 5 percent opacity in accordance with the BACT Determination.
[BACT Determination dated April 27, 1987; Rule 62-212.400(4), F.A.C. and Rule 2.401, JEPB]

Test Methods and Procedures

8. Compliance with NO_x emission rate in accordance with 40 CFR 60.335(b)(1) shall be computed for each run using the following equation:

$$NO_x = (NO_{xo})\,(P_r/P_o)^{0.5}\, e^{19(Ho-0.00633)}\,(288^o K/T_a)^{1.53}$$

Where:
NO_x = emission rate of NO_x at 15 percent oxygen and ISO standard ambient conditions, volume percent.
NO_{xo} = observed NO_x concentration, ppm by volume.
P_r = reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg.
P_o = observed combustor inlet absolute pressure at test, mm Hg.

H_o = observed humidity of ambient air, g H_2O/g air.
e = transcendental constant, 2.718.
T_a = ambient temperature, ^oK.
[BACT Determination dated April 27, 1987; 40 CFR 60.335; Rule 62-204.800, F.A.C.; and Rule 2.201, JEPB]

9. Fuel consumption shall be determined during each test run. All loads shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer in accordance with 40 CFR 60.335(b)(1).
[BACT Determination dated April 27, 1987; 40 CFR 60.335; Rule 62-204.800, F.A.C.; and Rule 2.201, JEPB]

10. EPA RM 20 shall be used to determine the nitrogen oxides, sulfur dioxide, and oxygen concentrations. The span values shall be 300 ppm of nitrogen oxide and 21 percent oxygen. The nitrogen content of the fuel being fired during the compliance test shall be determined from a sample taken on or about the day of the compliance test in accordance with 40 CFR 335(b)(9).
[40 CFR 60. 335(a)(1), (b)(9,10,11); Rule 62.204.800, F.A.C., and Rule 2.201, JEPB]

11. 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., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

12. Testing for nitrogen oxides, sulfur dioxide, and visible emissions while burning natural gas shall be conducted annually from the date of March 1, 2012.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

13. Testing for demonstration of compliance shall be performed in accordance with 40 CFR 60.335.
[40 CFR 60.335, Rule 62-204.800, F.A.C., and Rule 2201, JEPB]

14. The permittee has provided the manufacturer's curves or tables in ***Appendix TT*** to be used in determining the maximum heat input or fuel usage rate for compliance testing. These curves or tables relate compressor inlet conditions to heat input or fuel usage rate and are part of the permit. The data shall have a resolution of 1% of the maximum heat input or fuel usage rate. Inlet condition monitoring shall include compressor inlet temperature with optional monitoring of inlet pressure and/or moisture levels when these parameters are also used to correct heat input or fuel usage rate.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

15. Compliance testing of emissions shall be conducted with the combustion turbine operating at capacity. Capacity is defined as 90-100 percent of the manufacturer's rated heat input achievable for the average compressor inlet conditions during the test. If it is impracticable to test at capacity, then combustion turbines may be tested at less than capacity. In such cases, the entire curve or table shall be adjusted downwards by the increment which reflects the reduced rate of operation at which compliance was demonstrated. This increment is equal to the difference between the manufacturer's heat input or fuel usage value and 110 percent of the value reached during the test. In this case, the data and calculations necessary to demonstrate the heat input or fuel usage rate correction shall be submitted to the Compliance Authority with the compliance test report.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB; Rule 62-297.310(2), F.A.C., and Rule 2.1101, JEPB; 40 CFR 60.330, Rule 62-204.800, F.A.C., and Rule 2.201, JEPB]

16. To demonstrate compliance with 40 CFR 60.330 federal New Source Performance Standard (NSPS) Subpart GG - Standards of Performance for Stationary Gas Turbines, an initial test shall be conducted at four load points and corrected to International Standards Organization (ISO) conditions for comparison to the NSPS allowable. Subsequent annual compliance tests conducted to establish compliance with NOx limits that are more stringent than the NSPS standard shall not require an ISO correction or testing at four load points; rather, the testing shall be conducted at capacity, as defined above. However, when the Compliance Authority has reason to believe that NOx emissions exceed an applicable NOx standard (based on emissions data from

CEMS or stack testing, or based on fuel quality) the Compliance Authority may require that the company conduct emissions testing at four loads as required in Subpart GG.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB; Rule 62-297.310(2), F.A.C., and Rule 2.1101, JEPB; 40 CFR 60.335, Rule 62-204.800, F.A.C., and Rule 2.201, JEPB]

Monitoring of Operations

17. The combustion turbine natural gas usage shall be metered and recorded daily. Data shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[Rule 62-212.400(5), F.A.C., and Rule 2.401, JEPB]

Emissions Unit No. 028 – Duct Burner & Heat Recovery Boiler

Emissions Unit Description - A 40.5 x 10^{6} Btu per hour (maximum nameplate rated capacity) duct burner and heat recovery boiler fired by natural gas and biogas. The duct burner and heat recovery boiler is subject to a determination of Prevention of Significant Deterioration (PSD-FL-115), and BACT for nitrogen oxides.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum heat input shall be limited to 38.0 x 10^6 Btu per hour of natural gas and biogas.
[Rule 62-210.200, F.A.C., and Rule 2.301, JEPB; BACT Determination dated April 27, 1987; Rule 62-212.400(4), F.A.C. and Rule 2.401, JEPB]

3. The maximum production and burning of biogas for the facility shall not exceed 400 x 10^6 cubic feet per year.
[Permit Nos. AC16-170993 through 170995; ~~Escape~~ Avoid PSD, Rule 62-210.200, F.A.C., and Rule 2.301, JEPB]

4. NO_x emissions shall not exceed 0.1 pound per 10^6 Btu heat input, 7.2 pounds per hour, and 20.8 tons per year in accordance with BACT Determination.
[Permit Nos. AC16-170993 through 170995; BACT Determination dated April 27, 1987; Rule 62-212.400(4), F.A.C. and Rule 2.401, JEPB]

5. VE shall not exceed 5 percent opacity in accordance with BACT Determination.
[BACT Determination dated April 27, 1987; Rule 62-212.400(4), F.A.C. and Rule 2.401, JEPB]

6. PM emissions shall not exceed 0.4 pound per hour, and 1.1 ton per year.
[Permit Nos. AC16-170993 through 170995; ~~Escape~~ Avoid PSD, Rule 62-212.300(1)(d), F.A.C., and Rule 2.401, JEPB]

7. CO emissions shall not exceed 21.7 pounds per hour, and 76.5 tons per year.
[Permit Nos. AC16-170993 through 170995; ~~Escape~~ Avoid PSD, Rule 62-212.300(1)(d), F.A.C., and Rule 2.401, JEPB]

8. VOC emissions shall not exceed 1.6 pound per hour, and 3.7 tons per year.
[Permit Nos. AC16-170993 through 170995; ~~Escape~~ Avoid PSD, Rule 62-212.300(1)(d), F.A.C., and Rule 2.401, JEPB]

9. SO_2 emissions shall not exceed 28.9 pounds per hour, and 37.2 tons per year.
[Permit Nos. AC16-170993 through 170995; ~~Escape~~ Avoid PSD, Rule 62-212.300(1)(d), F.A.C., and Rule 2.401, JEPB]

Test Methods and Procedures

10. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rules 62-297.310(4), 62-297.401(5), F.A.C., and Rule 2.1201, JEPB]

11. 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.
[Rules 62-297.310(4)(a)2., 62-297.401(9)(a), F.A.C., and Rule 2.1201, JEPB]

12. VE shall be tested annually from the date of May 1, 2012.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

13. Testing for demonstration of compliance, upon request, shall be performed while firing biogas in accordance with EPA RM 6 (as described in 40 CFR 60, Appendix A) for sulfur dioxide.
[Rule 62-297.310(4), 62-297.401(6), F.A.C., and Rule 2.1201, JEPB]

14. Testing for demonstration of compliance shall be performed while firing biogas in accordance with EPA RM 7 or 20 (as described in 40 CFR 60, Appendix A) for nitrogen oxides.
[Rules 62-297.310(4), 62-297.401(7 or 20), F.A.C., and Rule 2.1201, JEPB]

15. NO_x shall be tested annually from the date of May 1, 2012.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

16. Testing for demonstration of compliance, upon request, shall be performed while firing biogas in accordance with EPA RM 10 (as described in 40 CFR 60, Appendix A) for carbon monoxide.
[Rules 62-297.310(4), 62-297.401(10), F.A.C., and Rule 2.1201, JEPB]

17. Testing for demonstration of compliance, upon request, shall be performed while firing biogas in accordance with EPA RM 25 or 25A (as described in 40 CFR 60, Appendix A) for volatile organic compounds.
[Rules 62-297.310(4), 62-297.401(25), 62-297.401(25)(a), F.A.C., and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

18. Monthly records shall be maintained for the following:
    a. Cubic feet of natural gas fired
    b. Cubic feet of biogas fired

    Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
    [Rule 62-213.440(1)(b), F.A.C., and Rule 2.501, JEPB]

Emissions Unit No. 031 – Biogas Flare

Emissions Unit Description – The operation of a flare for control of excess biogas production of the anaerobic pretreatment facility as a result of insufficient steam demand and mechanical malfunctions.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Permit No. AC16-170994; Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum heat input rate shall not exceed 59.1 x 10^6 Btu per hour.
[Permit No. AC16-170994; Rule 62-210.200, F.A.C., and Rule 2.301, JEPB]

3. The maximum biogas combustion shall not exceed 78,000 cubic feet per hour.
[Permit No. AC16-170994; Rule 62-210.200, F.A.C., and Rule 2.301, JEPB]

4. The maximum production and burning of biogas for the facility shall not exceed 400 x 10^6 cubic feet per year.
[Permit No. AC16-170994; Rule 62-210.200, F.A.C., and Rule 2.301, JEPB]

5. No VE shall be allowed.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed annually in accordance with EPA RM 22 (as described in 40 CFR 60, Appendix A) for visible emissions. EU 031 is exempt from the provisions of Section II. Facility-wide Condition No. 9.
[Rule 62-297.401(22), F.A.C., Rule 62-204.800, F.A.C.; and Rules 2.201, 2.1201, JEPB]

7. VE shall be tested annually from the date of May 1, 2012.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

8. Monthly records shall be maintained for the cubic feet of biogas fired. Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), F.A.C., and Rule 2.501, JEPB]

Emissions Unit No. 032 – Backup Biogas Flare

Emissions Unit Description – The operation of a flare for control of excess biogas production of the anaerobic pretreatment facility as a result of insufficient steam demand and mechanical malfunctions.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Permit No. AC16-170993; Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum heat input rate shall not exceed 59.1 x 10^6 Btu per hour.
[Permit No. AC16-170993; Rule 62-210.200, F.A.C., and Rule 2.301, JEPB]

3. The maximum biogas combustion shall not exceed 78,000 cubic feet per hour.

[Permit No. AC16-170993; Rule 62-210.200, F.A.C., and Rule 2.301, JEPB]

4. The maximum production and burning of biogas for the facility shall not exceed 400 x 10^6 cubic feet per year.
[Permit No. AC16-170993; Rule 62-210.200, F.A.C., and Rule 2.301, JEPB]

5. No VE shall be allowed.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed annually in accordance with EPA RM 22 (as described in 40 CFR 60, Appendix A) for visible emissions. EU 032 is exempt from the provisions of Section II. Facility-wide Condition No. 9.
[Rule 62-297.401(22), F.A.C., Rule 62-204.800, F.A.C.; and Rules 2.201, 2.1201, JEPB]

7. VE shall be tested annually from the date of May 1, 2012.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

8. Monthly records shall be maintained for the cubic feet of biogas fired. Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), F.A.C., and Rule 2.501, JEPB]

Emissions Unit No. 033 – H_2S Scrubber

Emissions Unit Description – The operation of a scrubber to control odor and hydrogen sulfide emissions from the anaerobic pretreatment facility reactor, and equalization tank.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum H_2S emissions shall not exceed 0.05 pounds per hour, and 0.04 tons per year.
[Permit AC16-170993, Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Test Methods and Procedures

3. Testing for demonstration of compliance shall be performed in accordance with EPA RM 15 (as described in 40 CFR 60, Appendix A) for hydrogen sulfides or an alternate test method approved by the Permitting Authority.
[Rules 62-297.310(4), 62-297.401(15), F.A.C., and Rule 2.1201, JEPB]

4. H_2S shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Emissions Unit No. 035 – Filter Media Storage Silos

Emissions Unit Description – The operation of two (2) filter media storage silos. Diatomaceous Earth and Perlite are used as filter media at the brewery's water treatment facility.

Particulate matter (PM) control device - Two (2) MAC Model 72AVS25II Dust Collectors

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 40,000 pounds per hour for each silo.
[Permit No. 0310006-008-AC; Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. The nominal volumetric flow rate from this emissions unit is 1,300 cubic feet per minute for each silo.
[Permit No. 0310006-008-AC; Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year for each silo.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), F.A.C., and Rule 2.1101, JEPB]; **Maximum Allowable Emission Rates** [Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), F.A.C., and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB] shall apply to this emissions unit.

5. PM emissions for each silo shall not exceed 0.03 grains per dry standard cubic foot, 0.33 pound per hour, and 1.46 tons per year.
[Permit No. 0310006-008-AC; Rule 62-296.711(2), F.A.C., and Rule 2.1101, JEPB]

6. VE for each silo shall not exceed 5 percent opacity.
[Rule 62-296.711(2), F.A.C., and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing of each silo for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), F.A.C., and Rule 2.1201, JEPB]

8. Testing of each silo 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., F.A.C., and Rule 2.1201, JEPB]

9. VE shall be tested for permit renewal (i.e., 270 days prior to permit expiration).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Recordkeeping and Reporting Requirements

10. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of five (5) years.
[Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB]

Emissions Unit No. 038 – Four (4) Emergency Stationary RICE

Emissions Unit Description –

Description of Engine	Year Built	Model Number	Horsepower	Rule Applicability
415 kW Caterpillar Diesel Generator, BERS Influent Lift Station	1987	D343	285 HP	40 CFR Part 63, Subpart ZZZZ
750 kW Cummins Diesel Generator	2002	DFHA-4961501	1030 HP	40 CFR Part 63, Subpart ZZZZ
Diesel Fire Pump	1968	7084-7010	269 HP	40 CFR Part 63, Subpart ZZZZ
Waste Water Influent Diesel Pump	Prior to 2006	1113-216	100 HP	40 CFR Part 63, Subpart ZZZZ

{**Permitting Note:** This permit section addresses existing, emergency compression ignition (CI) reciprocating internal combustion engines (RICE) located at an area source of HAP emissions.}

1. ***40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*** *and* ***Subpart A, General Provisions*** shall apply to the engines of this emissions unit.
[40 CFR 63.6585, Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

2. The permittee shall comply with the following operating limitations no later than May 3, 2013.
[40 CFR 63.6595(a)(1), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

Essential Potential to Emit (PTE) Parameters

3. The permittee shall operate and maintain the emergency stationary RICE according to the following:
(a) There is no time limit on the use of emergency stationary RICE in emergency situations.
(b) The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or Local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
(c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance checks and readiness testing.
(d) The 50 hours per year for non-emergency situations may not be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.
[40 CFR 63.6640(f), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

4. The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

Emission Limitations and Operating Requirements

5. The permittee shall comply with the following requirements as outlined in 40 CFR 63, Subpart ZZZZ, Table 2d.

   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil analysis program to extend this interval, as provided in Specific Condition No. 6 below.
   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first.
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR 63.6603(a), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

6. The permittee has the option of using an oil analysis program to extend the oil change requirement. The oil analysis shall be performed at the same frequency specified for changing the oil in Specific Condition No. 5 for this emissions unit. The analysis program shall at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator shall change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator shall change the oil within 2 days or before commencing operation, whichever is later. The permittee shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program shall be part of the maintenance plan for the engine.
[40 CFR 63.6625(i), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

7. The permittee shall operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions or develop and follow their own maintenance plan which shall provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions.
[40 CFR 63.6640(a), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

Monitoring Requirements

8. The permittee shall install a non-resettable hour meter if one is not already installed.
[40 CFR 63.6625(f), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

Compliance Requirements

9. Each unit shall be in compliance with the operating standards in this section at all times.
[40 CFR 63.6605(a), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

10. Operation and Maintenance of Equipment. At all times the permittee shall operate and maintain the stationary RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the

Compliance Authority which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR 63.6605(b), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

11. The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) was operated and maintained according to their own maintenance plan.
[40 CFR 63.6655(e), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

12. The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, The permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
[40 CFR 63.6655(f), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

13. The records in Specific Condition Nos. 11 and 12 for this emissions unit shall be kept and maintained for a minimum period of five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records shall be provided to the Permitting Authority upon request.
[40 CFR 63.6660, Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]