



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Anheuser-Busch, Inc.
One Busch Place (202-4)
St. Louis, Missouri 63118

Permit Number: AC 16-170994
Expiration Date: October 30, 1991
County: Duval
Latitude/Longitude: 30°26'08"N
81°38'32"W

Project: Biogas Flare
Anaerobic Pretreatment Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction of biogas flare (100% efficiency). This flare is part of an anaerobic pretreatment facility at the Anheuser-Busch, Incorporated's existing beer brewery located in Jacksonville, Duval County, Florida. The UTM coordinates of this site are zone 17, 437.65 km E and 3366.8 km N.

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. DER application Form 17-1.202(1) and letter dated September 12, 1989.
2. DER letter dated October 30, 1989.
3. Company letters dated November 7, 1989 and December 5, 1989.

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GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

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6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

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

13. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and

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records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. The maximum allowable emissions from burning the entire annual production of 292 million cubic feet of biogas shall not exceed the following limits:

<u>Pollutant</u>	<u>Lbs Per Hour</u>	<u>Tons Per Year</u>	<u>Emission Factors</u>
PM/PM ₁₀	1.0	1.1	0.005 lb/MMBtu
NO _x	18.4	20.8	0.1 lb/MMBtu
CO	21.7	76.5	1.4 lb/MMBtu
VOC	1.6	3.7	0.016 lb/MMBtu
SO ₂	73.7	37.2	0.76 lb/MMBtu
H ₂ S	0.05	0.04	

2. Maximum H₂S content in the biogas shall not exceed 0.40%.

3. This source shall be allowed to operate continuously, 8,760 hrs/yr.

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4. Opacity shall not exceed 5%. Emissions from the flare shall not exceed the following limits:

<u>Pollutant</u>	<u>Tons Per Year</u>	<u>Lbs Per Hour</u>
PM/PM ₁₀	1.1	0.6
NOx	20.8	11.2
CO	5.5	3.0
VOC	1.1	0.6
SO ₂	37.2	44.9

5. This source shall meet applicable specification requirements (60.18) of the general provisions 40 CFR 60, General Control Device Requirements.

6. Before this construction permit expires, this source shall be tested for visible emissions (VE). Compliance with the opacity limitation shall be determined by EPA reference Method 9, Visual Determination of Opacity of Emissions from Stationary Sources. The BESD's office shall be notified at least 15 days in advance of the compliance test.

7. Pursuant to Rule 17-2.620(2), F.A.C., objectionable odors are prohibited from this facility.

8. An operation and maintenance plan shall be submitted to the BESD office to assure that the system operates efficiently.

9. The maximum heat input shall not exceed 59.1 MMBtu/hr. Maximum biogas combustion shall not exceed 78,000 cu. ft. per hour. Maximum biogas heating value shall not exceed 750 Btu per cu. ft. Maximum biogas combustion for the whole anaerobic pretreatment facility shall not exceed 292 million cu. ft. per year.

10. This source shall comply with all applicable provisions of Chapter 17-2, F.A.C. and Chapter 403, F.S.

11. Upon obtaining a permit to operate, the permittee shall be required to submit annual reports on the actual parameters (flow rate, combustion efficiency, pressure drop, flame length, net heating value of gas, velocity, etc.) and emissions from this source. Annual reports shall be sent to the Bio-Environmental Services Division (BESD) in Jacksonville.

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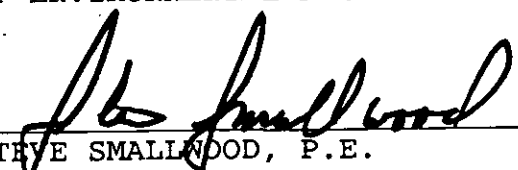
SPECIFIC CONDITIONS:

12. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

13. An application for an operation permit must be submitted to the BESD office in Jacksonville at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

Issued this 13th day
of March, 1990

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management