



*Anheuser-Busch Inc.*  
ONE OF THE ANHEUSER-BUSCH COMPANIES

October 13, 1981



Mr. Carl Bock  
Bureau of Air Quality Management  
Twin Towers Office Building  
2600 Blainstone Road  
Tallahassee, Florida 32301

Re: Application for Permit  
to Modify Boiler Operation  
Conditions.

Dear Mr. Bock:

Please recall our phone conversation on October 8, 1981, regarding Mr. C. H. Fancy's letter on the application for a permit to modify boiler operating conditions. Two areas in this report need to be modified.

First, reference the "Technical Evaluation and Preliminary Determination" under Item I, C., "Process Description". The steam generators do not produce steam to drive a generator for the production of electricity. The steam is used for process heat throughout the Brewery.

The same modification should be made on page 1 of 2 of the Permit/Certification.

Second, on page 2 of 2 Permit/Certification under Specific Conditions, #3, opacity is limited to 10%. As per our conversation this is in error and should be 20%. Please modify accordingly.

Copies of the reference pages with modifications are attached.

If there is any questions regarding this, please contact me.

Very truly yours,

Tom Martin  
Asst. Resident Engineer

TM:br

Attachments

CC: Mr. J. Mueller  
Mr. D. DeHart

CC: Mr. C. H. Fancy

## I. PROJECT DESCRIPTION

### A. Applicant

Anheuser-Busch, Inc.  
111 Busch Drive  
Jacksonville, Florida

### B. Project and Location

The applicant's proposed construction consists of the upgrading of four (4) existing process boilers from a maximum heat input of 66 MMBTU per hour to 100 MMBTU per hour. The facility is located in Jacksonville, Duval County, Florida. The UTM coordinates are 743.93 km East and 3366.82 km North.

### C. Process Description

The four power boilers at the Anheuser Busch, Inc. plant in Jacksonville, Florida are fired on Number Six (6) fuel oil, presently at the permitted rate of 66 million BTU per hour. The modification will increase the potential firing rate to 100 million BTU per hour.

The heat of combustion is used to produce steam which ~~in turn drives a turbine generator to produce electricity for~~ the brewery. The exhaust gases are vented through a 100 foot stack from each boiler.

\*is used for process heat throughout the Brewery.

## II. RULE APPLICABILITY

The proposed project is located in the area of influence of the Jacksonville particulate nonattainment area. Duval County is also nonattainment for ozone. The project is classified as a modification pursuant to 17-2, Florida Administrative Code (FAC), as a change in the mode of operation. There are to be no projected increases in fuel usage and no net increase in emissions above the presently permitted annual emissions. Therefore no PSD or BACT determination will be necessary.

## III. SUMMARY OF EMISSIONS AND AIR QUALITY ANALYSIS

### A. Emission Limitations

The pollutants emitted by this source are particulate, sulfur dioxide and nitrogen oxides. The total emissions from the facility are as follows:

<u>Pollutant</u>	<u>lb/hr</u>	<u>Tons/yr</u>
Particulate	40.0	84.8
Sulfur Dioxide	1000.0	2120

<u>Pollutant</u>	<u>lb/hr</u>	<u>Tons/yr</u>
Nitrogen Oxides	160.0	340

The emission limitations are based on using 2.5% sulfur fuel oil in four boilers rated at a maximum of 100 MBTU/hr. The boilers will operate on a rotating schedule allowing all the four boilers to operate 24 hours a day but not to exceed 4132 hours (total) per year per boiler. On a normal operating schedule, only 3 boilers operate simultaneously. The total annual operating hours will not increase over the previous year nor will the total fuel consumption. Therefore, the annual emissions will not increase.

#### B. Air Quality Impacts

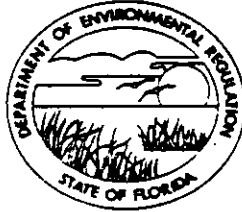
As there will be no increase in fuel consumption over the previous year, the construction and operation of this facility will not have any impact on ambient air quality standards. Air quality modeling performed by the company and reviewed by the Department confirms this.

#### IV. CONCLUSIONS

The emission limitations stated previously are based on the applicants estimated fuel consumption to be what it consumed the last calendar year. The fuel consumption and hours permitted to operate shall be stated as conditions of the permit.

The General and Specific Conditions listed in the proposed permit will assure compliance with all applicable requirements of Chapter 17-2, F.A.C.

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM  
GOVERNOR

JACOB D. VARN  
SECRETARY

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICANT:

Anheuser Busch Companies  
111 Busch Drive  
Jacksonville, Florida

PERMIT/CERTIFICATION  
NO. AC 16-39951

COUNTY: Duval

PROJECT: Upgrading of 4  
power boilers to 100 MBTU

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

Modification of four power boilers, upgrading the heat capacity from 66.1 MBTU to 100 MBTU to provide ~~electricity for the facility~~. Process heat throughout the Brewery.

Attachments:

Application to Construct Air Pollution Sources, DER Form 17-1.122 (16).

PERMIT NO.:  
APPLICANT:

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.
3. 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 notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance, including exact 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. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.
4. As provided in subsection 403.087(6), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor 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.
5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.
6. 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.111, F.S.
7. In the case of an operation permit, 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.
8. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant, or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.
9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.
10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.
11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.
12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation 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.
13. This permit also constitutes:
  - Determination of Best Available Control Technology (BACT)
  - Determination of Prevention of Significant Deterioration (PSD)
  - Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

PERMIT NO. AC 16-39951  
APPLICANT: Anheuser Busch Companies

SPECIFIC CONDITIONS:

1. Maximum allowable emissions from the facility will be:

<u>Pollutant</u>	<u>lb/hr.</u>	<u>Tons/yr.</u>
Particulate	10 lb/hr. (per boiler)	21.2 (per boiler)
Sulfur Dioxide	250 lb/hr. (per boiler)	530.0 (per boiler)
Nitrogen Dioxide	40 lb/hr (per boiler)	85.0 (per boiler)

2. Total combined operation of all boilers shall not exceed 16,528 hours per year.
3. Opacity shall not exceed ~~10%~~ 20%
4. Compliance to the emission limitation shall be determined by a limitation on total fuel consumption and by visible emission test as per EPA Method 9, 40 CFR Part 60. The total consumption of fuel oil (#6) shall not exceed 64,512 gal. per any 24 hour period not to exceed 44.5 M gal. in a calendar year.
5. Monthly documentation shall be made available to the Department or its designee, Jacksonville Bio-Environmental Services (JBES) of the following operating parameters:
- (a). Fuel consumed per boiler.
  - (b). Number of hours of operation per boiler.
  - (c). Heat input per boiler based on a 24 hr. average.
6. A monthly report shall be submitted ~~upon request~~ beginning from the date of issuance of the operating permit to the Departments designee, JBES.
7. A visible emission test shall be performed to establish compliance with the opacity limitations ~~prior to application for an operating permit.~~
8. A thirty day notice prior to emission testing shall be provided by the applicant to the Departments designee, JBES.
9. Following approval of test results and prior to 90 days before the expiration of this permit a complete application for an operating permit shall be submitted to the DER, St. Johns River Subdistrict Office or its designee. Full operation of the source may then be conducted in compliance with the terms of this permit until expiration or receipt of an operating permit.

PERMIT NO.:  
APPLICANT:

Expiration Date: January 25, 1982

Issued this \_\_\_\_\_ day of September, 1981

\_\_\_\_\_ Pages Attached.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

\_\_\_\_\_  
Signature

PAGE \_\_\_\_\_ OF \_\_\_\_\_

DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

MEMORANDUM

TO: John Mueller, Anheuser-Busch, Inc.  
Johnny Cole, FDER St. Johns River Subdistrict  
Pat Nolan, Nolan & Associates

FROM: C. H. Fancy, Deputy Chief, Bureau of Air Quality  
Management *CH Fancy*

DATE: September 24, 1981

SUBJ: Anheuser-Busch, Inc. Application for Permit to  
Modify Boiler Operating Conditions

Attached is one copy of the application, Technical Evaluation and Preliminary Determination, and proposed permit to modify boiler operating conditions at the Anheuser-Busch facility in Jacksonville, Duval County, Florida.

Please submit any comments which you wish to have considered concerning this action, in writing, to Carl Bock of the Bureau of Air Quality Management.

CF:bjm

Attachment