



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
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From: _____	Date: _____

Interoffice Memorandum

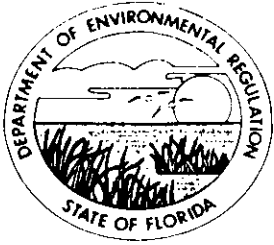
TO: Howard L. Rhodes
FROM: C. H. Fancy *CHF*
DATE: March 17, 1993
SUBJ: Amendment to Construction Permits AC16-170992 through
AC16-170995
Anheuser-Busch Companies, Inc.

Attached for your approval and signature is a letter cancelling construction permit No. AC16-170992 for the 12 MMBtu/hr wastewater boiler and amending Specific Condition No. 1 of AC16-170992 through AC16-170995. The cancellation was requested because this boiler will not be constructed. The amendment was requested to change the annual production of biogas from 292 million cubic feet to 400 million cubic feet for the anaerobic pretreatment facility. The Department is amending the above mentioned permits. The company has determined that it can operate this facility at the 400 million cubic feet within the allowable emissions in the existing permit. Therefore, no increase in allowable emissions will result.

The Bureau recommends approval of this amendment.

CHF/TH/plm

Attachment



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Virginia B. Wetherell, Secretary

March 17, 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Dean Pusch, Sr. Environmental Scientist
Environmental Affairs Department
Anheuser-Busch Companies, Inc.
One Busch Place
St. Louis, MO 63118-1852

Dear Mr. Pusch:

Re: Anaerobic Pretreatment Facility
Construction Permits AC16-170992 through AC16-170995

The Department is in receipt of your letter dated January 20, 1993, requesting to cancel construction permit AC16-170992 (12 MMBtu/hr wastewater boiler) and to change the annual production of biogas from 292 million cubic feet to 400 million cubic feet for the anaerobic pretreatment facility. The Department has reviewed this request and has determined to amend the above mentioned permits since there is no increase in allowable emissions. In addition, construction permit No. AC16-170992 for the 12 MMBtu/hr wastewater boiler is hereby cancelled as requested.

Specific Condition No. 1 of permits AC16-170993 through AC16-170995 will be amended as follows:

FROM:

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

Pollutant	Lbs Per Hour	Tons Per Year	Emission Factors
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	

Mr. Dean Pusch
Anaerobic Pretreatment Facility
Page 2

TO:

The maximum allowable emissions from burning the entire annual production of 400 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	

This letter must be attached to the above mentioned permits and shall become a part of each permit.

Sincerely,



Howard L. Rhodes
Director
Division of Air Resources
Management

HLR/TH/plm

Attachment to be Incorporated

Mr. Dean E. Pusch's letter of January 20, 1993

cc: S. Cullen, NED
R. Roberson, BESD



ANHEUSER-BUSCH COMPANIES

January 20, 1993

Ms. Teresa Heron
Bureau of Air Regulation
Florida Department of Environmental
Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Anheuser-Busch, Inc.
Anaerobic Pretreatment Facility
Construction Permits AC 16-170992, AC 16-170993,
AC 16-170994 and AC 16-170995

Dear Ms. Heron:

Anheuser-Busch, Inc. (ABI) requests revisions to the referenced permits. Permit AC 16-170992 was issued for the installation of a 12 MMBtu/hr wastewater boiler. This boiler will not be constructed; therefore ABI requests that this permit be cancelled.

A revision in the annual production of biogas is requested for Permits AC 16-170993, AC 16-17994, and AC 16-17995. Based on actual operational data, annual production of biogas will be greater than the 292 million cubic feet originally estimated in the permit application. Emissions will not exceed the current permit limits, thus no change in emission rates is requested. Maximum hourly biogas production will remain at the level represented in the permit.

Since the anaerobic system has been on-line, the average daily volume of biogas has been about one million cubic feet/day, or 25% over projections. The reason for this increase has been twofold:

- Wastewater organic loading (proportional to methane production) is higher than expected.
- Biogas methane concentration has been lower than originally estimated (70% versus 75%).

Anheuser-Busch Companies, Inc.
Executive Offices
One Busch Place
St. Louis, MO U.S.A. 63118-1852
Telex 447 117 ANBUSCH STL

RECEIVED

JAN 26 1993

Division of Air
Resources Management

Ms. Teresa Heron
Page Two

January 20, 1993

The Brewery requests a revision to Specific Condition 1 in the three permits to change the annual production from 292 million cubic feet to 400 million cubic feet. As mentioned, no changes to the emission limits are requested.

Please call me if you have any questions at (314) 577-4162.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

A handwritten signature in cursive script that reads "Dean E. Pusch".

Dean E. Pusch
Sr. Environmental Scientist
Environmental Affairs Department

ARB\122192.A

DEPARTMENT OF REGULATORY &
ENVIRONMENTAL SERVICES
OFFICE OF THE DIRECTOR

(904) 630-3666

FAX No. 630-3638



9/22

They will be sending
more information
and fee.

TELECOPY

DATE: 9/21/92

TO: WILLIAMS HANKS

ORGANIZATION: DER

TELECOPIER PHONE NUMBER: (904) 922-6979

FROM: RON ROBERSON

NO. OF PAGES TO FOLLOW: 2



100 West Church St. Suite 412
Jacksonville, Florida 32202

P 062 921 978



**Receipt for
Certified Mail**

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Send to	Dean Pusch	
Street	Anheuser Busch	
P.O. Box and ZIP Code	St. Louis, MO	
Postage		\$
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to Whom & Date Delivered		
Return Receipt Showing to Whom, Date, and Addressee's Address		
TOTAL Postage & Fees		\$
Postmark or Date	3-19-93	
	AC 16-170992	
	AC 16-170995	

PS Form 3800, June 1991