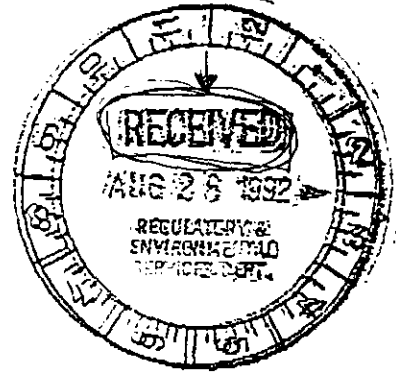




Anheuser-Busch  
ONE OF THE ANHEUSER-BUSCH COMPANIES

Roberson *[Signature]*  
1060 AA



August 28, 1992

Mr. Wayne E. Tutt  
Air Quality Division  
Regulatory & Environmental  
Services Department  
421 W. Church St., Suite 412  
Jacksonville, Florida 32202

*2/10/92*

Subject: Emissions Testing of Turbine, Duct Burner  
Permits #A016-146836, #A016-147102

Dear Mr. Tutt:

Enclosed please find the subject report for emissions testing at our facility. The testing was completed on July 17, 1992, and was carried out per previously submitted test plan, with one exception. The monitoring cannot be performed while the duct burner operates at maximum heat input, because of the variability in both biogas supply and steam demand that typically occurs. For this test, the system was "forced" to operate at the highest flow achievable at the time, that is, about 60 percent of the duct burner's rated heat input.

The test results indicate compliance with all permit limits for the duct burner carbon monoxide (CO) limit. The measured CO emission rate of ~~0.41~~ pounds per million Btu (lb/MMBtu), when applied to the maximum rated heat input of the duct burner, gives a rate of 15.6 pounds per hour (lb/hr); compared to the permit limit of ~~1.5~~ lb/hr.

When permit applications were prepared for the anaerobic pretreatment facility in 1990, AP-42 factors for natural gas combustion were used as the basis to estimate CO emissions in the existing duct burner and boilers, and these estimates subsequently became the permit limits. This assumption was made to obtain a conceptual, first order estimate because no factors were known for combustion of process-specific biogas. Amendments to the duct burner and boiler operating permits are requested to change the CO limits to reflect measured emissions from biogas as opposed to conceptual estimates based on another fuel.

The actual CO emissions from the combustion of the maximum hourly biogas production of 70,000 cubic feet would be 20.3 lb/hr, based on the measured emission rate of 0.41 lb/MMBtu. These emissions are less than the maximum permitted limit of 21.7 lb/hr, as shown in Permits No. AC16-170994, AC16-170993, and AC16-170992. Thus emissions from the duct burner firing biogas at its rated capacity (15.6 lb/hr), combined with emissions from combustion in other sources of any remaining biogas will be below the permitted limit for the facility.

Please contact us should you require additional information.

Very truly yours,

*John P. Wilchek*  
 John P. Wilchek  
 Plant Manager

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15.6 lb/hr duct burner

21.7 lb/hr