Facility Name: **Anheuser - Busch Inc**
Application Number: **01-7399**
Date: **June 17, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCE(S)

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Ohio Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code

(OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 15 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

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PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be made at least 90 days prior to start-up of the source.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies.

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Anheuser - Busch Inc** located in **Franklin** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
P100	P101 Cont'd	P103		P106
			P105	
	P102	P103 Cont'd		
				P107
		P104		
P101			P105 Cont'd	

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
P107 Cont'd	Source Identification Description			
	Malt transfer (Brewhouse No. 3)	Grain building dust collection (Brewhouse No. 3)	Malt transfer (Brewhouse No. 4)	Grain building dust collection (Brewhouse No. 4)
	Adjunct transfer (Brewhouse No. 3)	Dust conveying (Brewhouse No. 3)	Adjunct transfer (Brewhouse No. 4)	Dust conveying (Brewhouse No. 4)

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
		BAT Determination		
		Compliance with applicable Ohio rules and regulations, and use of fabric filter to control PM emissions.	Compliance with applicable Ohio rules and regulations, and use of fabric filter to control PM emissions.	Compliance with applicable Ohio rules and regulations, and use of fabric filter to control PM emissions.
		Compliance with applicable Ohio rules and regulations, and use of fabric filter to control PM emissions.	Compliance with applicable Ohio rules and regulations, and use of fabric filter to control PM emissions.	Compliance with applicable Ohio rules and regulations, and use of fabric filter to control PM emissions.

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
	Applicable Federal & OAC Rules			
	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)
	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)	3745-31-05 3745-17-11 (A)(2) 3745-17-07 (A)(1)(a)

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
		year.	minute average, except as provided by rule.	rule.
	Permit Allowable Mass Emissions and/or Control/Usage Requirements	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except as provided by rule.	Allowable PM emissions shall not exceed 0.02 pound PM per hour, and 0.07 ton PM per year.	Allowable PM emissions shall not exceed 0.12 pound PM per hour, and 0.51 ton PM per year.
	Allowable PM emissions shall not exceed 0.02 pound PM per hour, and 0.07 ton PM per year.	Allowable PM emissions shall not exceed 0.12 pound PM per hour, and 0.51 ton PM per year.	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except as provided by rule.	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except as provided by rule.
	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except as provided by rule.	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except as provided by rule.	Allowable PM emissions shall not exceed 0.01 pound PM per hour, and 0.03 ton PM per year.	Allowable PM emissions shall not exceed 0.12 pound PM per hour, and 0.51 ton PM per year.
	Allowable PM emissions shall not exceed 0.01 pound PM per hour, and 0.03 ton PM per	Allowable PM emissions shall not exceed 0.12 pound PM per hour, and 0.51 ton PM per year.	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except as provided by	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six minute average, except

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SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons/Year
PM	2.24

CONSTRUCTION STATUS

The **Ohio EPA, Central District Office** shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: **Brewhouse No. 3 and Brewhouse No. 4 (Grain Handling Operations).**

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Central District Office, 3232 Alum Creek Drive, Columbus, OH 43207-3417.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA, Central District Office, 3232 Alum Creek Drive, Columbus, OH 43207-3417.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Additional Terms and Conditions

1. Hourly PM Emissions Limitation for Emissions Units P100 - P107:

   The total particulate matter emissions from emissions units in Brewhouse No.3 and Brewhouse No.4 (P100 - P107) shall not exceed 0.50 pound PM per hour.

2. Annual PM Emissions Limitation for Emissions Units P100 - P107:

   The total particulate matter emissions from emissions units in Brewhouse No.3 and Brewhouse No.4 (P100 - P107) shall not exceed 2.24 tons per calendar year.

3. Visible Particulate Emissions Limitation for Emissions Unit P100 - P107

   Visible particulate emissions from any stack in emissions units in Brewhouse No.3 and Brewhouse No.4 (P100 - P107) shall not exceed 20 percent opacity, as a six minute average, except as provided by rule.

B. Operational Restrictions for Emissions Units P100 - P107

1. Malt and adjunct grains transfer in Brewhouse No.3 and Brewhouse No.4 shall not occur without the use of fabric filters to control particulate matter emissions from any grains transfer operations.

2. The maximum allowable throughput of malt (grains) shall not exceed 30,000 pounds per hour per brewhouse.

3. The maximum allowable throughput of adjunct (grains) shall not exceed 15,000 pounds per hour per brewhouse.

C. Recordkeeping Requirements for Emissions Units P100 - P107

1. The permittee shall maintain daily records of the average hourly malt (grains) throughput for Brewhouse No.3 and Brewhouse No.4 per day.

2. The permittee shall maintain daily records of the average hourly adjunct (grains) throughput for Brewhouse No.3 and Brewhouse No.4 per day.

3. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

D. Reporting Requirements for Emissions Units P100 - P107

1. The permittee shall submit quarterly reports that identify any exceedances during which the average hourly malt (grains) throughput for each day exceeded the maximum allowable hourly malt throughput limitation for each brewhouse, as well as the corrective actions that were taken to achieve compliance.

2. The permittee shall submit quarterly reports that identify any exceedances during which the average hourly adjunct (grains) throughput for each day exceeded the maximum allowable hourly adjunct throughput limitation, as well as the corrective actions that were taken to achieve compliance.

3. The permittee shall submit required reports in the following manner:

a. reports of any required

monitoring and/or record keeping information shall be submitted to the Ohio EPA, Central District Office;

b. except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of the following:

i. any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit;

ii. the probable cause of such deviations, and,

iii. any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA, Central District Office.

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by May 15, August 15, November 15, and February 15 of each year and shall cover the previous calendar quarters, respectively. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

E. Compliance Determination for Emissions Units P100 - P107

1. Compliance with the emission limitation(s) in Section A.1, A.2, and A.3 of these terms and conditions shall be determined in accordance with the following method(s):

Hourly PM Emissions Limitations (P100 - P107)

The total particulate matter emissions from emissions

units P100 - P107 shall not exceed 0.50 pounds PM per hour.

Applicable Compliance Method (P100 - P107)

Compliance with this emissions limit shall be determined by multiplying the hourly malt and adjunct grains throughput by the following emissions factors and control efficiencies:

a. For Malt Transfer (P100/P104), use an emissions factor of one pound per ton of malt grain transferred. Multiply this emissions factor by the average hourly malt throughput in tons for each brewhouse to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filter used to control particulate matter emissions from malt transfer to obtain the controlled PM emissions rate.

PM Emissions (lb/hr) = 1 lb/ton malt transferred x Q tons malt transferred in each brewhouse x (1 - Control Efficiency)

b. For Adjunct Transfer (P101/P105), use an emissions factor of one pound per ton of adjunct grains transferred. Multiply this emissions factor by the average hourly adjunct throughput in tons for each brewhouse to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filter used to control particulate matter emissions from adjunct transfer to obtain the controlled PM emissions rate.

PM Emissions (lb/hr) = 1 lb/ton adjunct transferred x Q tons adjunct transferred in each brewhouse x (1 - Control Efficiency)

c. For Grain Building Dust Collection (P102/P106), use an emissions factor of 4.2 pounds per ton of malt grain transferred, and an emissions factor

of 7.0 pounds per ton of adjunct grains transferred. Multiply these emissions factors by the average hourly malt and adjunct grains throughput for each brewhouse in tons to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filter used to control particulate matter emissions from the grains building to obtain the controlled PM emissions rate.

PM Emissions (lb/hr) = 4.2lbs/ton malt transferred x Q tons malt transferred in each brewhouse x(1 - Control Efficiency)

PM Emissions (lb/hr) = 7.0 lbs/ton adjunct transferred x Q tons adjunct transferred in each brewhouse x (1 - Control Efficiency)

d. For Dust Conveying (P103/P107), use an emissions factor of 2000 pounds per ton of dust conveyed. Multiply this emissions factor by the maximum hourly dust conveyed (based on maximum hourly grains throughput) for each brewhouse in tons per hour to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filter used to control particulate matter emissions from dust conveying to obtain the controlled PM emissions rate.

PM Emissions (lb/hr) = 2000 lbs/ton dust conveyed x Maximum hourly dust conveying capacity (tons per hour) x (1 - Control Efficiency)

Total hourly particulate matter emissions from malt and adjunct grains transfer is determined from the summation of PM emissions from malt and adjuncts transfer, grains building dust collection, and dust conveying for Brewhouse No.3

and Brewhouse No.4.

Annual PM Emissions Limitations (P100 - P107)

The total particulate matter emissions from emissions units P100 - P107 shall not exceed 2.24 tons PM per year.

Applicable Compliance Method (P100 - P107)

Compliance with this emissions limit shall be determined by multiplying the hourly malt and adjunct grains throughput by the following emissions factors and control efficiencies:

e. For Malt Transfer (P100/P104), use an emissions factor of one pound per ton of malt grain transferred. Multiply this emissions factor by the maximum hourly malt throughput for each brewhouse (15 tons/hr) to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filters used to control particulate matter emissions from malt transfer to obtain the controlled PM emissions rate. Multiply the resultant by 8760 hours per year and divide by 2000 to obtain PM emissions in tons per year.

PM Emissions (tons/yr) = 1 lb/ton malt transferred x 15 tons malt transferred per hour per brewhouse x (1 - Control Efficiency) x 8760 hours/year x 1 ton/2000 lbs

f. For Adjunct Transfer (P101/P105), use an emissions factor of one pound per ton of adjunct grains transferred. Multiply this emissions factor by the maximum hourly adjunct throughput for each brewhouse (7.5 tons/hr) to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filters used to control particulate matter emissions from adjunct transfer to obtain the controlled PM emissions rate. Multiply the

resultant by 8760 hours per year and divide by 2000 to obtain PM emissions in tons per year.

PM Emissions (tons/yr) = 1 lb/ton adjunct transferred x 7.5 tons adjuncts transferred per hour x (1 - Control Efficiency) x 8760 hours/year x 1 ton/2000 lbs.

g. For Grain Building Dust Collection (P102/P106), use an emissions factor 4.2 pounds per ton of malt grain transferred, and an emissions factor of 7.0 pounds per ton of adjunct grains transferred. Multiply these emissions factors by the maximum hourly malt and adjunct grains throughput for each brewhouse (15 tons/hr and 7.5 tons/hr, respectively) to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filters used to control particulate matter emissions from the grains building to obtain the controlled PM emissions rate. Multiply the resultant by 8760 hours per year and divide by 2000 to obtain PM emissions in tons per year.

PM Emissions (tons/yr) = 4.2 lbs/ton malt transferred x 15 tons malt transferred per hour per brewhouse x (1 - Control Efficiency) x 8760 hours/year x 1 ton/2000 lbs PM Emissions (tons/yr) = 7.2 lbs/ton adjunct transferred x 7.5 tons adjuncts transferred per hour x (1 - Control Efficiency) x 8760 hours/year x 1 ton/2000 lbs.

h. For Dust Conveying (P103/P107), use an emissions factor of 2000 pounds per ton of dust conveyed. Multiply the emissions factor by the maximum hourly dust conveyed (based on maximum hourly grains throughput) for each brewhouse in tons to obtain PM emissions in pounds per hour. Apply the control efficiency of the fabric filter to obtain the controlled PM emissions rate.

PM Emissions (lb/hr) = 2000 lbs/ton dust conveyed x Maximum hourly dust conveying capacity (tons per hour) x (1 - Control Efficiency) x 8760 hours/year x 1 ton/2000 lbs.

Total annual particulate matter emissions from grains transfer is determined from the summation

of PM emissions from malt and adjuncts transfer, grains building dust collection, and dust conveying for Brewhouse No.3 and Brewhouse No.4.

Visible Particulate Emissions Limitation (P100 - P107)

Visible particulate emissions from any stack associated with this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method (P100 - P107)

For the purpose of determining compliance with the visible particulate emissions limitation specified above, visible particulate emissions shall be determined according to the test methods and procedures prescribed in OAC rule 3745-17-03(B)(1).