



Anheuser-Busch, Inc.

ST. LOUIS, MO., U. S. A. 63118

REPLY TO:

ANHEUSER-BUSCH, INC.
P. O. Box 18017 A.M.F.
JACKSONVILLE, FLORIDA 32229

July 11, 1979

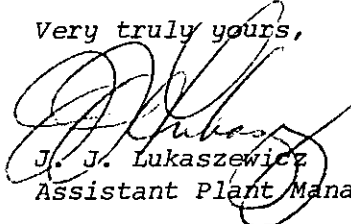
Bio-Environmental Services Division
Air and Water Pollution Control
515 West Sixth Street
Jacksonville, Florida 32206



Dear Sir:

Attached please find our Construction Permit Application to modify the No. 1 Grains Dryer and our check in the amount of \$20.00.

Very truly yours,

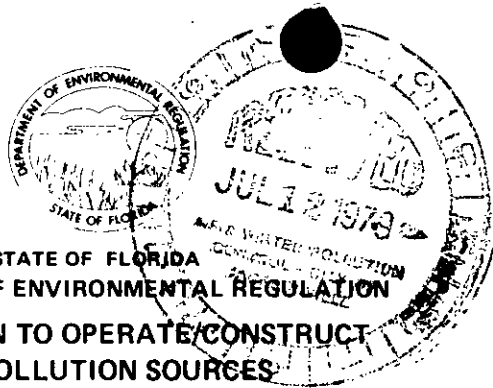

J. J. Lukaszewicz
Assistant Plant Manager

JJL:cb
Attachments

cc: Messrs. M. Gaebler
R. Imsande
D. DeHart

Keep
America
Beautiful





STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
APPLICATION TO OPERATE/CONSTRUCT
AIR POLLUTION SOURCES

SOURCE TYPE: Grains Dryer No. 1 New¹ Existing¹
APPLICATION TYPE: Construction Operation Modification
COMPANY NAME: Anheuser-Busch, Inc. COUNTY: Duval
Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peeking Unit No. 2, Gas Fired) Grains Dryer No. 1
SOURCE LOCATION: Street 111 Busch Drive City Jacksonville
UTM: East 7438010 North 3366780
Latitude _____ ° _____ ' _____ "N Longitude _____ ° _____ ' _____ "W
APPLICANT NAME AND TITLE: Mr. John Mueller, Plant Manager
APPLICANT ADDRESS: 111 Busch Drive; Jacksonville, Florida 32218

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of ANHEUSER-BUSCH, INC.
I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: John Mueller
John Mueller, Plant Manager
Name and Title (Please Type)
Date: 7/6/79 Telephone No. (904) 751-0700

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed: Charles M. Nolan
CHARLES M. NOLAN
Name (Please Type)
Argo, Nolan & Associates
Company Name (Please Type)
667 Kingsley Avenue, Orange Pk., Fla. 32073
Mailing Address (Please Type)
Date: 7/10/79 Telephone No. (904) 269-0061

(Affix Seal)

Florida Registration No. 19889

¹See Section 17-2.02(15) and (22), Florida Administrative Code, (F.A.C.)

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

Modification of existing grains dryer by changing dried grain handling and emissions suction by removing product cooling cyclone (which exhausts to wet scrubber) and replacing it with a cooling collection bag filter (with direct emission - new source). Includes changing to negative air pressure (suction).

Also dryer burner to be changed and improved.

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction October 1, 1979 Completion of Construction Feb., 1980

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Baghouse - est. \$25,000

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

Permit No. A0 16 - 2612 expiring August 31, 1981

E. Is this application associated with or part of a Development of Regional Impact (DRI) pursuant to Chapter 380, Florida Statutes, and Chapter 22F-2, Florida Administrative Code? Yes No

F. Normal equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ; if power plant, hrs/yr ; if seasonal, describe: after modifications. Currently used as standby.

G. If this is a new source or major modification, answer the following questions. (Yes or No) Not applicable.

- 1. Is this source in a non-attainment area for a particular pollutant?
a. If yes, has "offset" been applied?
b. If yes, has "Lowest Achievable Emission Rate" been applied?
c. If yes, list non-attainment pollutants.
2. Does best available control technology (BACT) apply to this source?
3. Does the State "Prevention of Significant Deterioration" (PSD) requirements apply to this source?
4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source?
5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source?

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable: Raw materials inputs vary considerably from time to time as they depend on many variables: brewing schedule, grain hauled wet, etc.

Description	Contaminants		Typical Capacity Utilization Rate - lbs/hr (dry)	Relate to Flow Diagram
	Type	% Wt		
Wet spent grain	grain dust	unknown	4,000	
Dry grain recycle	grain dust	unknown	4,600	
Centrifuge cake	grain dust	unknown	1,500	
Evaporator concentrate	grain dust	unknown	1,400	

B. Process Rate, if applicable: (See Section V, Item 1)

dry basis
 1. Total Process Input Rate (lbs/hr): To dryer - 11,500 To cooling collector - 6,900
 2. Product Weight (lbs/hr): From dryer - 11,500 From cooling collector - 6,900

C. Airborne Contaminants Emitted:

Name of Contaminant	Estimated Emission ¹		Allowed Emission ² Rate per Ch. 17-2, F.A.C.	Allowable ³ Emission lbs/hr	Potential Emission ⁴		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/hr	T/yr	
Grain Dust	10.6	~40	Section 17-2.05(2) Table 1; 11,500 lb/hr	10.62	530	2,300	62a
					(assumed 98.0% efficiency to get 10.6 lb/hr emission)		
Grain Dust	0.023	0.01	Section 17-2.05(2) Table 1; 6,900 lb/hr	7.74	7.7	33.7	62b

Bases for emissions, 0.1% of input is dust to baghouse, 99.7% efficiency, 7,700 lb/hr more input @ 10% H₂O

D. Control Devices: (See Section V, Item 4)

14,21

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles ⁵ Size Collected (in microns)	Basis for Efficiency (Sec. V, It ⁵)
Ducon Size 108, Type L	grain dust	98.0%		AP - 42
Model II Wet Scrubber				
Serial No. C-73-266				
Bubbler Miag ASFA 64/10	grain dust	99.7%		AP - 42
Baghouse Air to Cloth				
= 8.4:1 746 ft ² cloth				

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. - 0.1 pounds per million BTU heat input)

³Calculated from operating rate and applicable standard

⁴Emission, if source operated without control (See Section V, Item 3)

⁵If Applicable

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
No. 6 Fuel Oil	170 (est)	190 gal	28.5

*Units Natural Gas, MMCF/hr; Fuel Oils, barrels/hr; Coal, lbs/hr

Fuel Analysis:

Percent Sulfur: 2.3 max. Percent Ash: _____
 Density: _____ lbs/gal Typical Percent Nitrogen: _____
 Heat Capacity: _____ BTU/lb 150,000 BTU/gal
 Other Fuel Contaminants (which may cause air pollution): _____

F. If applicable, indicate the percent of fuel used for space heating. Annual Average 0% Maximum _____

G. Indicate liquid or solid wastes generated and method of disposal.
The scrubber water with the entrapped grain particles will discharge to the sanitary sewer.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):
 For scrubber (No. 62a)
 Stack Height: (above ground) 70 ft. Stack Diameter: 5.5 ft.
 Gas Flow Rate: 46,200 ACFM Gas Exit Temperature: 120 °F.
 Water Vapor Content: nearly saturated ~~XXX~~ Velocity: 27 FPS
 For cooling collector (No. 62b):
 Stack Height (above ground) 55 ft. Stack Diameter: 1.5 ft.
 Gas Flow Rate 6,240 ACFM Gas Exit Temp.: 120 °F
 Velocity: 60 FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type O (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq & Gas By-prod.)	Type VI (Solid By-prod.)
Lbs/hr Incinerated							

Description of Waste _____
 Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____
 Approximate Number of Hours of Operation per day _____ days/week _____
 Manufacturer _____
 Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner Other (specify) _____

Brief description of operating characteristics of control devices: _____

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight – show derivation.
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, etc.).
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3, and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8½" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8½" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

- 9. An application fee of \$20, unless exempted by Section 17-4.05(3), F.A.C. The check should be made payable to the Department of Environmental Regulation.
- 10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

- A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?
 Yes No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

- B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy) Yes No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

- C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

- D. Describe the existing control and treatment technology (if any).

- | | |
|---------------------------|----------------------|
| 1. Control Device/System: | 4. Capital Costs: |
| 2. Operating Principles: | 5. Operating Costs: |
| 3. Efficiency: * | 8. Maintenance Cost: |
| 5. Useful Life: | |
| 7. Energy: | |
| 9. Emissions: | |

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

*Explain method of determining D 3 above.

10. Stack Parameters

- a. Height: _____ ft. b. Diameter: _____ ft.
- c. Flow Rate: _____ ACFM d. Temperature: _____ °F
- e. Velocity: _____ FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

- a. Control Device:
- b. Operating Principles:

- c. Efficiency*:
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy*:
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

- a. Control Device:
- b. Operating Principles:

- c. Efficiency*:
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy**:
- h. Maintenance Costs:
- i. Availability of construction materials and process chemicals:

- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

*Explain method of determining efficiency.

**Energy to be reported in units of electrical power – KWH design rate.

3.

- a. Control Device:
- b. Operating Principles:

- c. Efficiency*:
- d. Capital Cost:
- e. Life:
- f. Operating Cost:
- g. Energy:
- h. Maintenance Cost:

*Explain method of determining efficiency above.

- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space and operate within proposed levels:

4.

- a. Control Device
- b. Operating Principles:
- c. Efficiency*:
- d. Capital Cost:
- e. Life:
- f. Operating Cost:
- g. Energy:
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

- 1. Control Device:
- 2. Efficiency*:
- 3. Capital Cost:
- 4. Life:
- 5. Operating Cost:
- 6. Energy:
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:

a.

- (1) Company:
- (2) Mailing Address:
- (3) City:
- (4) State:
- (5) Environmental Manager:
- (6) Telephone No.:

*Explain method of determining efficiency above.

(7) Emissions*:

Contaminant	Rate or Concentration

(8) Process Rate*:

b.

- (1) Company:
- (2) Mailing Address:
- (3) City:
- (4) State:

*Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions*:

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

(8) Process Rate*:

10. Reason for selection and description of systems:

*Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII – PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. _____ no sites _____ TSP _____ () SO²* _____ Wind spd/dir
Period of monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

2. Instrumentation, Field and Laboratory

- a) Was instrumentation EPA referenced or its equivalent? _____ Yes _____ No
- b) Was instrumentation calibrated in accordance with Department procedures? _____ Yes _____ No _____ Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

- 2. Surface data obtained from (location) _____
- 3. Upper air (mixing height) data obtained from (location) _____
- 4. Stability wind rose (STAR) data obtained from (location) _____

C. Computer Models Used

- 1. _____ Modified? If yes, attach description.
- 2. _____ Modified? If yes, attach description.
- 3. _____ Modified? If yes, attach description.
- 4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO ²	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description on point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

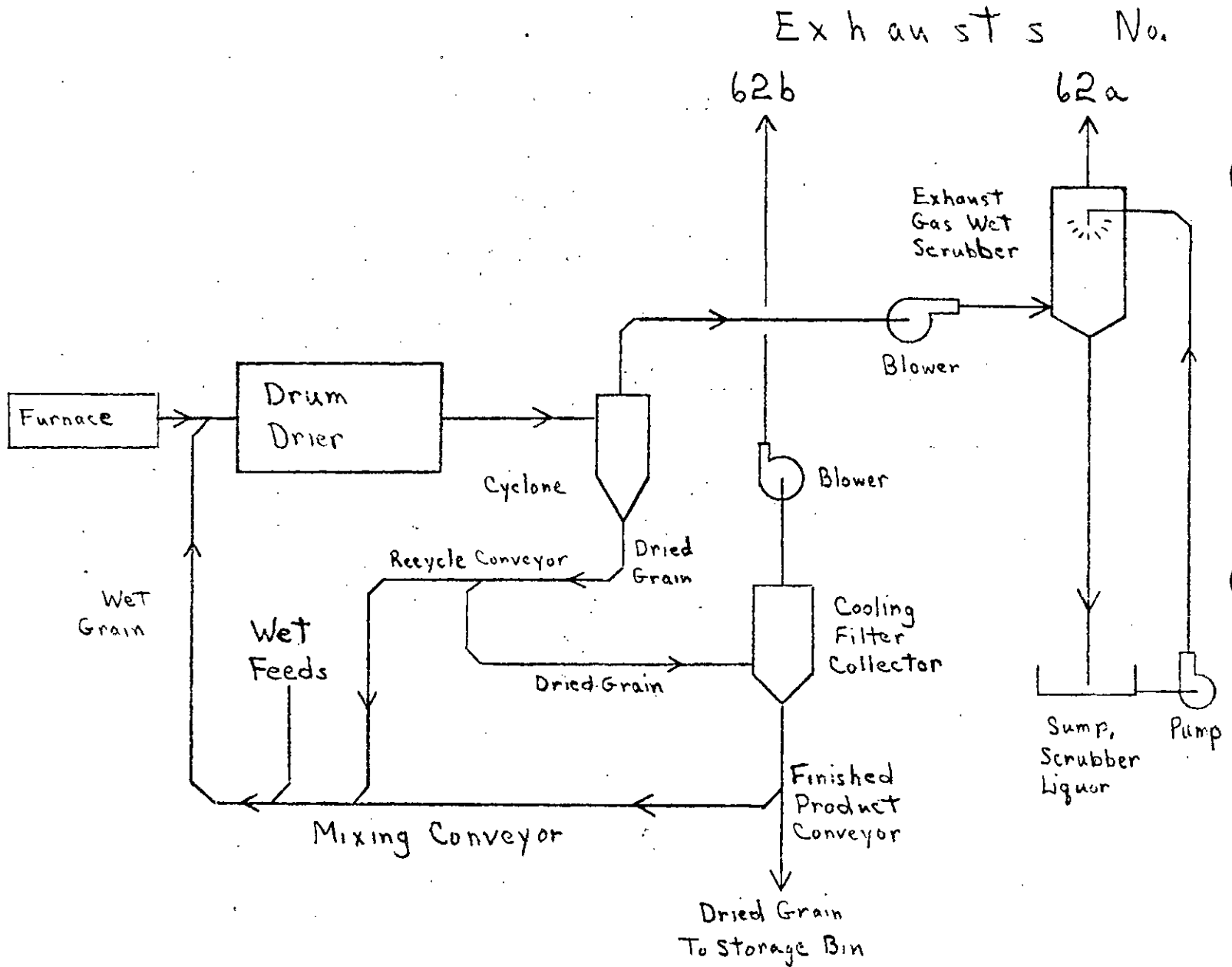
F. Attach all other information supportive to the PSD review.

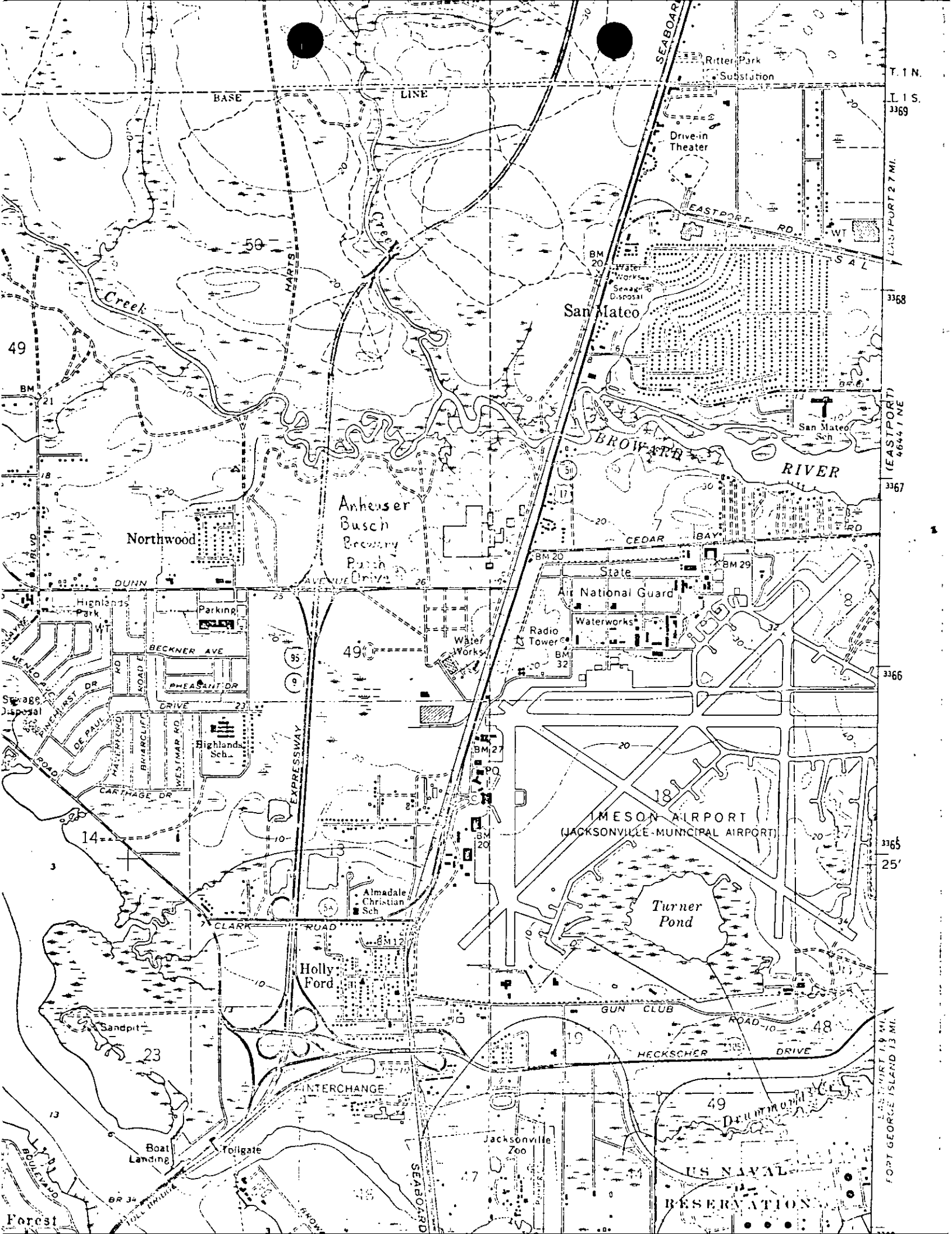
*Specify bubbler (B) or continuous (C).

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

Jacksonville Brewery





T. 1 N.
I. 1 S.
3369
EASTPORT 27 MI.
3368
3367
3366
3365
25'
EASTPORT 19 MI.
FORT GEORGE ISLAND 13 MI.

BASE LINE

SEABOARD

Ritter Park
Substation

Drive-in Theater

San Mateo

BROWARD RIVER

San Mateo Sch.

Creek

Anheuser Busch Brewery

Northwood

State Air National Guard
Waterworks
Radio Tower

Highlands Park
Parking
Highlands Sch.
Swage Disposal

JAMESON AIRPORT
(JACKSONVILLE-MUNICIPAL AIRPORT)

Turner Pond

Holly Ford

GUN CLUB
HECKSCHER DRIVE

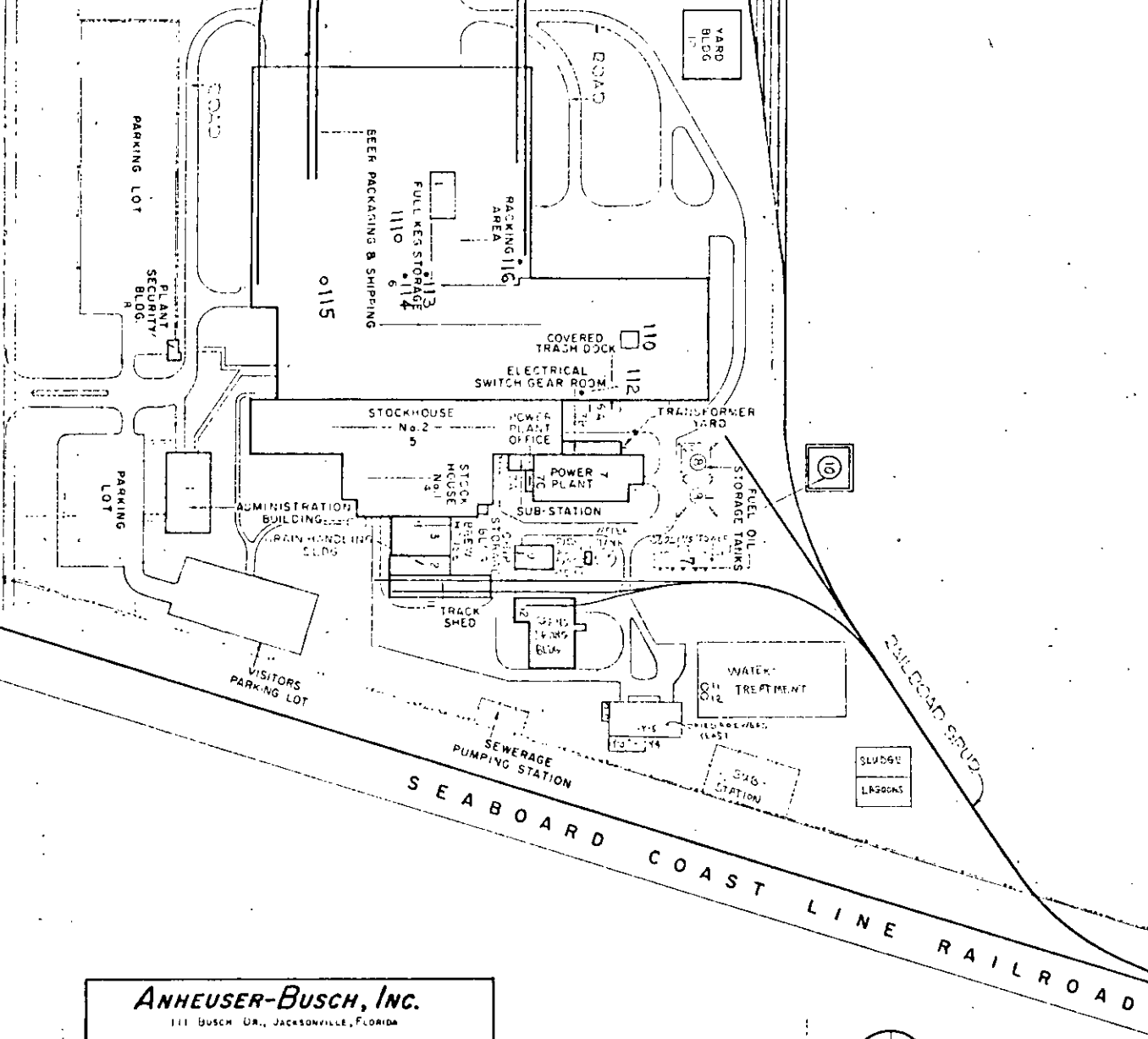
INTERCHANGE

Jacksonville Zoo

US NAVAL RESERVATION

Forest

BUSCH DRIVE



AIR EMISSION SOURCE INVENTORY

Sheet 1 of 2
 No. 1 6-27-74 DMJ
 No. 2 11-29-76
 No. 3 7-26-77

ANHEUSER-BUSCH, Inc.

111 BUSCH DR., JACKSONVILLE, FLORIDA

ACCURACY CERTIFIED BY: _____ SECRETARY: _____ SHEET NO. 1
 NAME & CAPACITY FOR BREWER
 DATE

PREPARED BY
ANHEUSER - BUSCH, INC.
 St. Louis, Missouri

REVENUE DEPARTMENT
 BY: RITNER & WULF

PLAT OF BREWERY LOCATION PLAT

S.S. BEER LINES DN. FROM
5TH FLOOR STOCKHOUSE No. 2

BEER METED

COVERED
TRASH DOCK

BLDG. No. 6A

84

83

STOCKHOUSE No. 2 BLDG. No. 5

101, 100, 99

18, 17, 16

POWER PLANT
OFFICE
BLDG. No. 7C

ELECTRICAL
SWITCH GEAR ROOM

TRANSFORMER
YARD

152

95

91 90

92

81

80

94

88

93

87

STOCKHOUSE No. 1

820

85

WATER
TANKS

2-HIGH

POWER PLANT
BLDG. No. 7

LIQUITREAT
TANK

6 5 3 2 1 4

CO₂ LIQUID
STORAGE
TANKS

URINE
TANK

2 O A D

FUEL OIL STORAGE TANKS
25'-0" DIA.

RAILROAD SPUR

HANDLING BLDG.
BREW HOUSE

CYCLOP TANKS
(2 HIGH)
CYCLOP
COOLERS
SPENT GRAIN
TANK

CHIP
STORAGE
B'LDG.
BLDG. No. 8

WATER
STORAGE TK.
40'-0" DIA.

FUEL OIL
PUMP HOUSE
BLDG. No. 13

COOLING TOWER
7

TRACK SHED
BLDG. No. 11

BLDG. No. 12
GRAINS DRYING

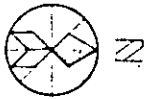
DRY GRAIN
STORAGE BIN

CENTRIFUGAL
FEED TANK

WET SPENT
GRAIN TANK

FLAP
CONDENSATE
TANK

EMULSIST GAS SCRUBBER



PREPARED BY
ANHEUSER-BUSCH, INC.
ST. LOUIS, MISSOURI

REVENUE DEPARTMENT
WY C RITTMER-A WULF

PLAT
OF
BREWERY
(NORTHERN PART)

ANHEUSER-BUSCH, INC.
111 Busch Dr., Jacksonville, Florida

ACCURACY
CERTIFIED BY: _____ SECRETARY: _____
NAME & CAPACITY FOR PREWER

SHEET
3

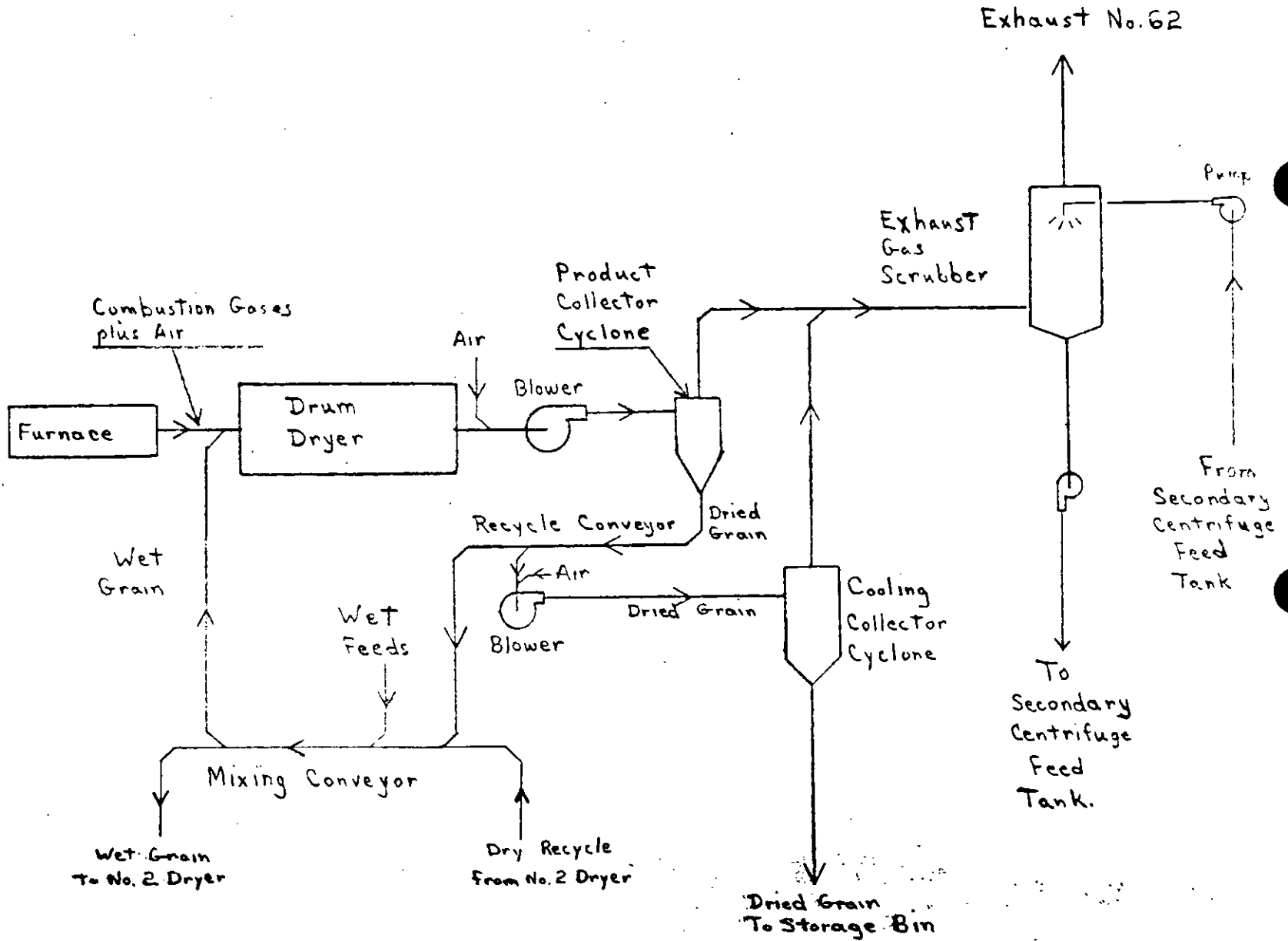
AIR EMISSION SOURCE INVENTORY

Sheet 2 of 2
6-27-74 DMD Rev. 2 7-15-77
Rev. 11-29-76 Rev. 3 6-21-77

Jacksonville Brewery

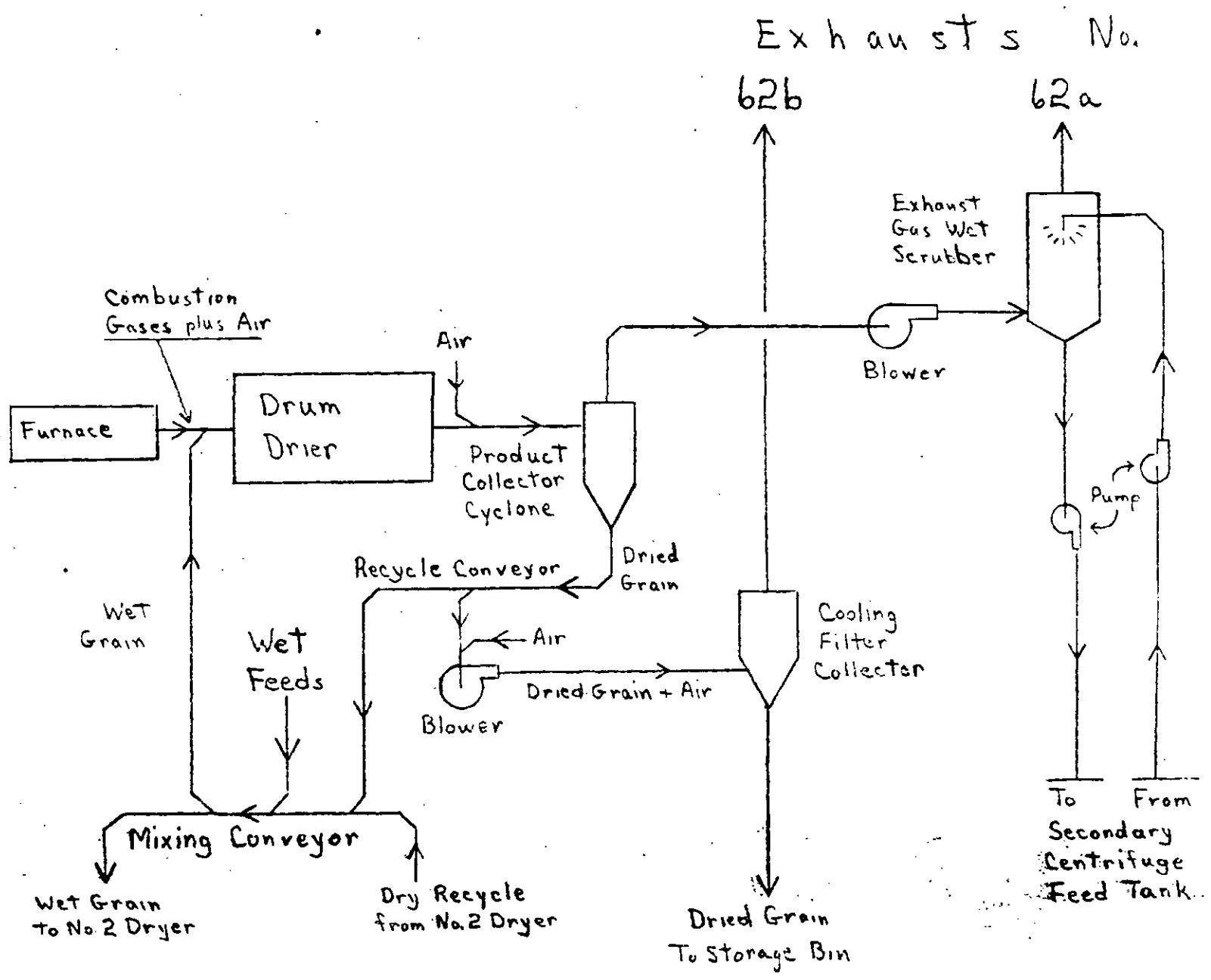
Rev 2 1-8-80
 Rev 1 8-9-76

Figure 1



Jacksonville Brewery, Rev. 1 1-9-80

Figure 2

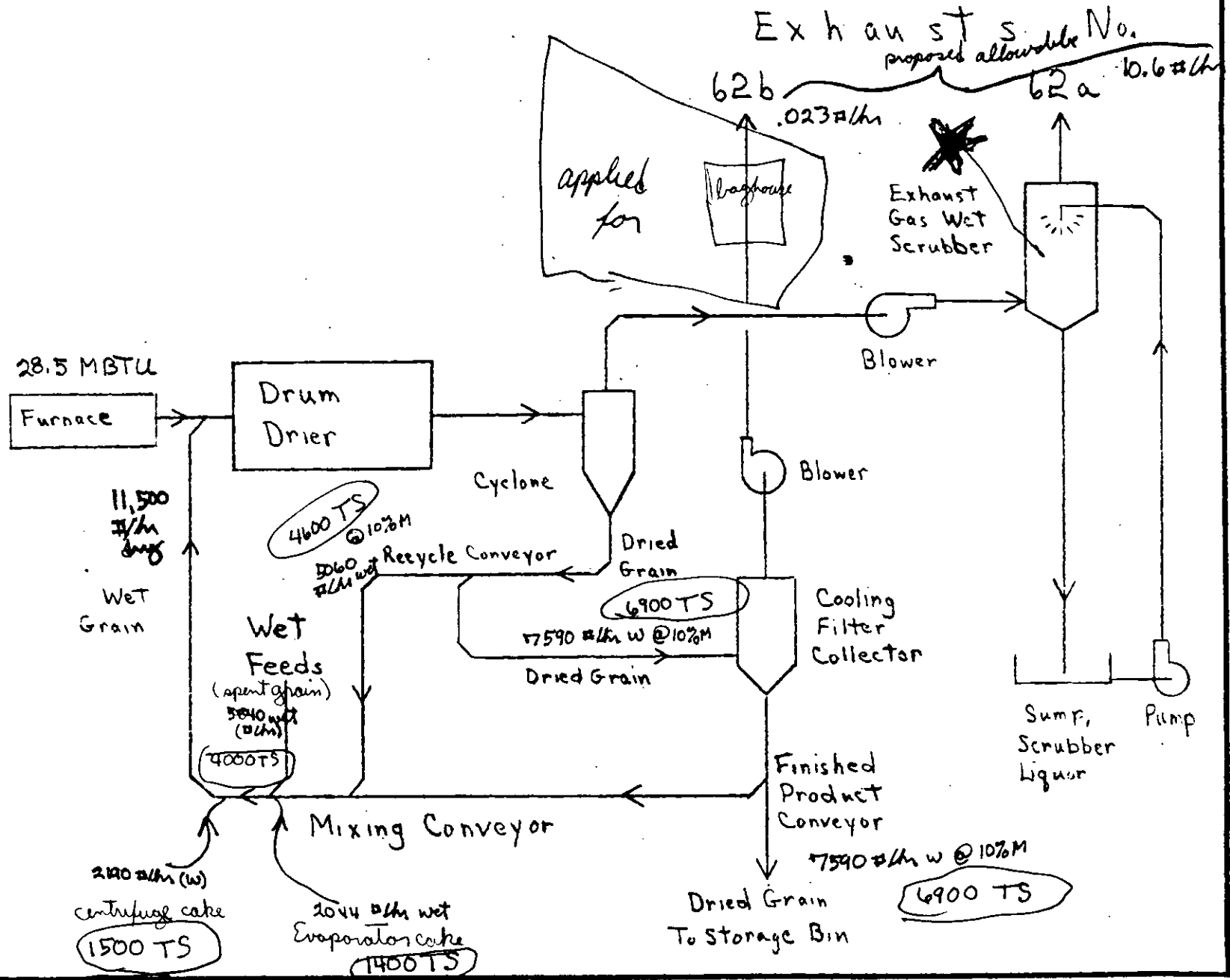


Modified edition of dryer

ANHEUSER-BUSCH, INC.
 ST. LOUIS, MO.
 ENGINEERING DEPARTMENT

Spent Grain Dryer I, Modified
 DRAWN BY
 DMD 6-21-71
 APPROVED BY
 DRAWING NO.

Jacksonville Brewery



[Handwritten signature]

Florida Department of Environmental Regulation
Air and Water Pollution Control
515 West Sixth Street
Jacksonville, Fla. 32206

PAY TO THE ORDER OF

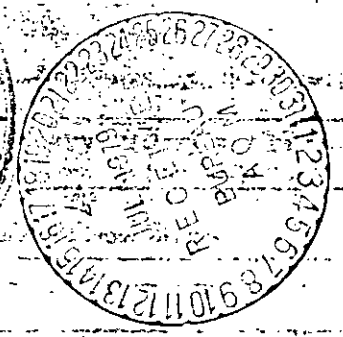
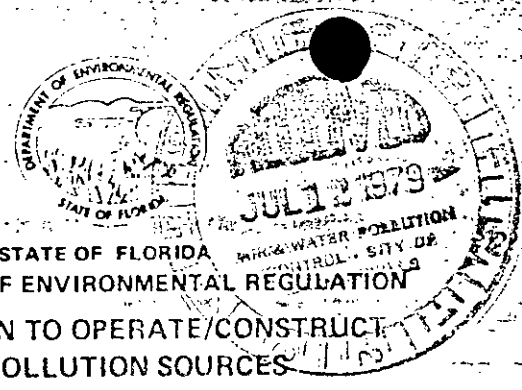
4-8 INC 8820 AND 800 S**20.00

DATE JULY 11, 1979

MANUFACTURERS BANK & TRUST COMPANY OF ST. LOUIS

ON A 23 2002

[Stylized logo for Anheuser-Busch]



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
APPLICATION TO OPERATE/CONSTRUCT
AIR POLLUTION SOURCES

SOURCE TYPE: Grains Dryer No. 1 New Existing
APPLICATION TYPE: Construction Operation Modification
COMPANY NAME: Anheuser-Busch, Inc. COUNTY: Duval
Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peeking Unit No. 2, Gas Fired) Grains Dryer No. 1
SOURCE LOCATION: Street 111 Busch Drive City Jacksonville
UTM: East 7438010 North 3366780
Latitude ° ' " N Longitude ° ' " W
APPLICANT NAME AND TITLE: Mr. John Mueller, Plant Manager
APPLICANT ADDRESS: 111 Busch Drive; Jacksonville, Florida 32218

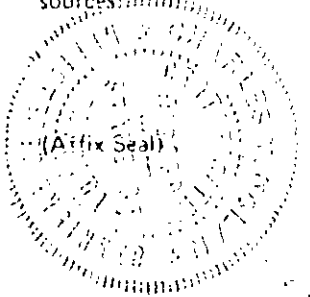
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A. APPLICANT
I am the undersigned owner or authorized representative* of ANHEUSER-BUSCH, INC.
I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization
Signed: John Mueller
John Mueller, Plant Manager
Name and Title (Please Type)
Date: 7/10/79 Telephone No. (904) 751-0700

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)
This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed: Charles M. Nolan
CHARLES M. NOLAN
Name (Please Type)
Argo, Nolan & Associates
Company Name (Please Type)
667 Kingsley Ave., Orange Pk, Fla. 32073
Mailing Address (Please Type)
Date: 7/10/79 Telephone No. (904) 269-0061



Florida Registration No. 19889 Date: 7/10/79 Telephone No. (904) 269-0061

¹See Section 17-2.02(15) and (22), Florida Administrative Code, (F.A.C.)