

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 8904, PSD-TX-447M1, and N-012

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY(2)

BREWING OPERATIONS GRAINS HANDLING **Building 2 (Old Side)**

GU-01	Grain Unloading I (GH-GU1)	PM	0.40	0.95
		PM ₁₀	0.06	0.14
BHA-6	Malt Conveying I (GH-MALT1)	PM	0.18	0.62
		PM ₁₀	0.03	0.09
BHA-7	Rice Conveying I (GH-RICE1)	PM	0.14	0.33
		PM ₁₀	0.02	0.05
BHA-8	Mill Dust Collection I (GH-MDC1)	PM	0.57	2.33
		PM ₁₀	0.40	1.63
GH-01	Vacuum Cleaner I (GH-VC1)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
BHA-9	Vacuum Cleaner II (GH-VC2)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01

Building 62 (New Side)

GU-N1	Grain Unloading II (GH-GU2)	PM	0.45	1.97
		PM ₁₀	0.07	0.30
GU-N2	Grain Bin Dust Collection II 1.97 (GH-GBD2)	PM		0.45
		PM ₁₀	0.07	0.30
GH-N1	Malt Conveying IIA (GH-MALT2A)	PM	0.20	0.89
		PM ₁₀	0.03	0.13
GH-N2	Rice Conveying IIA (GH-RICE2A)	PM	0.09	0.39
		PM ₁₀	0.01	0.06

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AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
GH-N3	Malt Surge Bin/Cleaner (GH-MSBC)	PM PM ₁₀	0.20 0.03	0.89 0.13
GH-N4	Rice Surge Bin/Cleaner (GH-RSBC)	PM PM ₁₀	0.09 0.01	0.39 0.06
BHB-20	Malt Conveying IIB (GH-MALT2B)	PM PM ₁₀	0.20 0.03	0.89 0.13
BHB-21	Rice Conveying IIB (GH-RICE2B)	PM PM ₁₀	0.09 0.01	0.39 0.06
BHB-22	Mill Dust Collection II (GH-MDC2)	PM PM ₁₀	0.71 0.49	3.08 2.16
GH-N5	Vacuum Cleaning III (GH-VC3)	PM (3) PM ₁₀ (3)	<0.01 <0.01	<0.01 <0.01
BHB-23	Vacuum Cleaning IV (GH-VC4)	PM PM ₁₀	<0.01 <0.01	<0.01 <0.01
GH-N6	Vacuum Cleaning V (GH-VC5)	PM PM ₁₀	<0.01 <0.01	<0.01 <0.01

**BREWHOUSE
Building 3 (Old Side)**

BHA-1	Mash Cooker No. 1 (BHA-MC1)	VOC	0.10	0.19
BHA-2	Mash Cooker No. 2 (BHA-MC2)	VOC	0.10	0.19
BHA-3	Brew Kettle No.1 (BHA-BK1)	VOC	0.96	1.80
BHA-4	Holding Kettle (BHA-HK)	VOC	0.42	0.79

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Emission Point No. (2)	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

BHA-5	Hops Strainer (BHA-HS)	VOC	0.11	0.21
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BHA-FUG	Two 50-Barrel Tannin Precoat <0.01 Tanks (BHA-PCT)	PM/PM ₁₀		<0.01
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]BHA-FUG	Two 50-Barrel Body Feed Tanks (BHA-BFT)	PM/PM ₁₀	<0.01	<0.01
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Building 3X

BHX-1	Mash Cooker No. 3 (BHX-MC3)	VOC	0.10	0.19
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BHX-2	Lauter Tub No. 1 (BHX-LT1)	VOC	0.46	0.87
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BHX-3	Lauter Tub No. 2 (BHX-LT2)	VOC	0.46	0.87
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BHX-4	Brew Kettle No. 2 (BHX-BK2)	VOC	0.96	1.80
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BHX-5	Hot Wort Receiver No. 2 (BHX-HWR2)	VOC	0.06	0.10
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BHX-6	Press Feed Tank No. 1 (BHX-PFT1)	VOC	0.01	0.01
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BHX-7	Press Feed Tank No. 2 (BHX-PFT2)	VOC	0.01	0.01
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Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
BHX-8	Press Feed Tank No. 3 (BHX-PFT3)	VOC	0.02	0.03
BHX-9	Hot Trub Collection Tank No. 2 0.47 (BHX-HTC2)	VOC		0.25
Building 63				
BHB-1	Mash Cooker No. 4 (BHB-MC4)	VOC	0.10	0.19
BHB-2	Mash Cooker No. 5 (BHB-MC5)	VOC	0.10	0.19
BHB-3	Mash Cooker No. 6 (BHB-MC6)	VOC	0.10	0.19
BHB-4	Mash Cooker No. 7 (BHB-MC7)	VOC	0.10	0.19
BHB-5	Mash Cooker No. 8 (BHB-MC8)	VOC	0.10	0.19
BHB-6	Lauter Tub No. 3 (BHB-LT3)	VOC	0.46	0.87
BHB-7	Lauter Tub No. 4 (BHB-LT4)	VOC	0.46	0.87
BHB-8	Brew Kettle No. 3 (BHB-BK3)	VOC	0.96	1.80

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Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
BHB-9	Brew Kettle No. 4 (BHB-BK4)	VOC	0.96	1.80
BHB-10	Brew Kettle No. 5 (BHB-BK5)	VOC	0.96	1.80
BHB-11	Hot Wort Receiver No. 1 (BHB-HWR1)	VOC	0.06	0.10
BHB-12	Hot Wort Receiver No. 3 (BHB-HWR3)	VOC	0.06	0.10
BHB-13	Hot Wort Receiver No. 4 (BHB-HWR4)	VOC	0.06	0.10
BHB-HVAC	Hot Trub Collection Tank No. 1 0.47 (BHB-HTC1)	VOC		0.25
BHB-HVAC	Hot Trub Collection Tank No. 3 0.47 (BHB-HTC3)	VOC		0.25
BHB-14	Hops Strainer (BHB-HS)	VOC	0.11	0.21
BHB-15	Wort Aerator No. 1 (BHB-WA1)	VOC	1.20	2.25
BHB-16	Wort Aerator No. 2 (BHB-WA2)	VOC	1.20	2.25
BHB-FUG	Two Spent Grain Presses (BHB-SGP)	VOC (3)	0.02	0.03
BHB-17	Press Effluent Tank (BHB-PET)	VOC	0.02	0.03

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Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
BHB-17	Lauter Tub Effluent Tank (BHB-LTET)	VOC	0.02	0.03
BHB-18	Centrifuge Effluent Tank (BHB-CET)	VOC	0.02	0.03
BHB-19	Centrifuge Feed Tank (BHB-CFT)	VOC	0.02	0.03

**STOCKHOUSES
Building 4 (No.1)**

SH1-1	Two 60-Barrel K-Filters (SH1-KF1 and 2)	VOC	<0.01	<0.01
SH1-1	Two 37-Barrel Schoene Beer Balance Tanks (SH1-SBB1)	VOC	0.01	<0.01
SH1-1	Two 37-Barrel Filter Beer Balance Tanks (SH1-FBB1)	VOC	<0.01	<0.01
SH1-2	Two 90-Barrel K-Filters (SH1-KF4 and 5)	VOC	<0.01	<0.01
SH1-2	Two 70-Barrel Schoene Beer <0.01 Balance Tanks (SH1-SBB2)	VOC		0.01
SH1-2	Two 70-Barrel Filter Beer Balance Tanks (SH1-FBB2)	VOC	<0.01	<0.01
SH1-FUG	Seven 510-Barrel Clear Beer <0.01 Tanks (SH1-CBT)	VOC (3)		0.04

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AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
SH1-FUG	Five 510-Barrel Blowback Beer <0.01 Tanks (SH1-BBT)	VOC (3)		0.03
SH1-FUG	Schoene Beer Receiver No. 1 0.53 (SH1-SR1)	VOC (3)		0.28
SH1-FUG	Schoene Beer Receiver No. 2 0.53 (SH1-SR2)	VOC (3)		0.28
SH1-FUG	Schoene Beer Receiver No. 3 0.53 (SH1-SR3)	VOC (3)		0.28
SH1-3	One 1,240-Barrel Schoene Beer 0.14 Tank (SH1-ST1)	VOC		0.08
SH1-3	One 410-Barrel Schoene Beer 0.05 Tank (SH1-ST2)	VOC		0.03
SH1-3	Three 610-Barrel Schoene Beer 0.21 Tanks (SH1-ST3)	VOC		0.11
SH1-3	Seventeen 1,220-Barrel Schoene 2.33 Beer Tanks (SH1-ST4)	VOC		1.25
SH1-3	Thirteen 1,220-Barrel Lager 0.59 Beer Tanks (SH1-LT1)	VOC		0.32

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Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
SH1-3	Three 510-Barrel Lager Beer 0.06 Tanks (SH1-LT2)	VOC		0.03
SH1-3	Twelve 1,220-Barrel Lager Beer 0.54 Tanks (SH1-LT3)	VOC		0.29
SH1-4	Three 610-Barrel Schoene Beer 0.21 Tanks (SH1-ST5)	VOC		0.11
SH1-4	Six 1,220-Barrel Schoene Beer 0.82 Tanks (SH1-ST6)	VOC		0.44
SH1-4	Six 510-Barrel Lager Beer Tanks (SH1-LT4)	VOC	0.06	0.11
SH1-4	Thirteen 1,220-Barrel Lager Beer 0.59 Tanks (SH1-LT5)	VOC		0.32
SH1-4	Six 410-Barrel Lager Beer Tanks (SH1-LT6)	VOC	0.05	0.09
SH1-4	Thirteen 1,220-Barrel Lager 0.58 Beer Tanks (SH1-LT7)	VOC		0.31
SH1-FUG	Chip Washers (SH1-CW)	VOC (3)	1.29	2.41
SH1-5	Carbon Dioxide Regeneration 0.26	VOC		0.14

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AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

System (Deodorizer, Scrubber
and Trap) No. 2 (SH1-C02)

DESILO-1	Celite or Perlite Storage Silo 0.06 No. 1 (SH1-DES1)	PM/PM ₁₀	0.01	
DESILO-2	Celite or Perlite Storage Silo 0.06 No. 2 (SH1-DES2)	PM/PM ₁₀	0.01	
SH1-FUG	3-Barrel Tannin Concentrate <0.01 Tank (SH1-TCT)	PM/PM ₁₀	<0.01	
SH1-FUG	50-Barrel Tannin Mix Tank (SH1-TMT)	PM/PM ₁₀	<0.01	<0.01
SH1-FUG	37-Barrel Tannin Supply Tank (SH1-TST)	PM/PM ₁₀	<0.01	<0.01

Building 4A (No. 2)

SH2-1	ACP System (SH2-ACP)	PM/PM ₁₀	<0.01	<0.01
SH2-2	Twenty-one 1,240-Barrel Lager Beer Tanks (SH2-LT1)	VOC	0.52	0.96
SH2-2	One 1,240-Barrel Lager Beer 0.05 Tank (SH2-LT2)	VOC		0.02
SH2-2	Twenty-one 1,220-Barrel Lager 0.94	VOC		0.51

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Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	Emission Rates	
			lb/hr	TPY
	Beer Tanks (SH2-LT3)			
SH2-2	Twenty-one 1,220-Barrel Lager 0.94		VOC	0.51
	Beer Tanks (SH2-LT4)			
SH2-2	Twenty-one 1,220-Barrel Lager 0.94		VOC	0.51
	Beer Tanks (SH2-LT5)			
SH2-2	One 1,220-Barrel Lager Beer 0.05		VOC	0.02
	Tank (SH2-LT6)			
	Building 4X (No. 3)			
SH3-1	K-Filter No. 3 (SH3-KF3)	VOC	<0.01	<0.01
SH3-1	One 110-Barrel Schoene Beer <0.01		VOC	<0.01
	Balance Tank (SH3-SBB)			
SH3-1	One 90-Barrel Filter Beer Balance Tank (SH3-FBB)	VOC	<0.01	<0.01
SH3-FUG	Celite or Perlite Sludge Disposal 0.03		VOC	0.02
	Rotary Filter (SH3-ROTF)			
SH3-FUG	Spent Celite (D.E.) Or Perlite 0.03		VOC (3)	0.02
	Dumpster (SH3-SCD)			
SH1-4	Six 1,240-Barrel Schoene Tanks		VOC	0.45

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AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

0.84
(SH3-ST1)

SH1-4	Six 1,240 Barrel Schoene Tanks 0.84 (SH3-ST2)	VOC	0.45
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SH1-4	Six 1,240-Barrel Schoene Tanks 0.84 (SH3-ST3)	VOC	0.45
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SH1-4	Six 1,240-Barrel Schoene Tanks 0.84 (SH3-ST4)	VOC	0.45
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Building 4AX (No. 4)

SH4-1	Three 2,365-Barrel Alpha Fermentation Tanks (SH4-AFT1)	VOC	0.41	0.76
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SH4-1	One 2,344-Barrel Alpha Fermentation Tank (SH4-AFT2)	VOC	0.14	0.25
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SH4-2	Spent Celite (D.E.) Or Perlite 0.03 Tank (SH4-SCT)	VOC	0.02
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Building 4AX (No. 5)

SH5-1	Six 1,240-Barrel Lager Tanks 0.27 (SH5-LT1)	VOC	0.15
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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
SH5-1	Six 1,240-Barrel Lager Tanks 0.27 (SH5-LT2)	VOC		0.15
SH5-1	Six 1,240-Barrel Lager Tanks 0.27 (SH5-LT3)	VOC		0.15
SH5-1	Six 1,240-Barrel Lager Tanks 0.27 (SH5-LT4)	VOC		0.15
Building 68 (No. 6)				
SH6-HVAC	Spent Yeast Collection Tank No. 1 (SH6-SYC1)	VOC	1.91	3.58
SH6-HVAC	Schoene Sludge Collection Tank No. 1 (SH6-SSC1)	VOC	1.91	3.58
SH6-HVAC	Twelve 690-Barrel Cold Wort 0.12 Settling Tanks (SH6-CWS)	VOC		0.07
SH6-HVAC	Eight 200-Barrel Yeast Brinks 5.72 (SH6-YB1)	VOC		3.06
SH6-HVAC	Two 50-Barrel Yeast Brinks (SH6-YB2)	VOC	0.77	1.43
SH6-HVAC	One 400-Barrel G Beer Tank (SH6-GBT)	VOC	<0.01	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
SH6-1	Seven 850-Barrel Schoene Decant Tanks (SH6-SDT)	VOC	0.30	0.56
SH6-1	Seven 500-Barrel Filtered Beer Tanks (SH6-FBT1)	VOC	0.18	0.33
SH6-1	Seven 1,600-Barrel Filtered 1.04 Beer Tanks (SH6-FBT2)	VOC		0.56
SH6-2	Seven 850-Barrel Filtered Beer Tanks (SH6-FBT3)	VOC	0.30	0.56
SH6-2	Six 850-Barrel Filtered Beer 0.48 Tanks (SH6-FBT4)	VOC		0.25
SH6-3	Seven 850-Barrel Filtered Beer Tanks (SH6-FBT5)	VOC	0.30	0.55
SH6-3	Eight 1,600-Barrel Filtered 1.19 Beer Tanks (SH6-FBT6)	VOC		0.64
SH6-3	One 850-Barrel Filtered Beer 0.08 Tank (SH6-FBT7)	VOC		0.04
SH6-3	Eight 1,600-Barrel Filtered 1.19 Beer Tanks (SH6-FBT8)	VOC		0.64
SH6-3	Six 2,000-Barrel Filtered Beer Tanks (SH6-FBT9)	VOC	0.60	1.12
Building 64 (No. 7)				

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
SH7-1	Twelve 6,050-Barrel Alpha Fermentation Tanks (SH7-AFT)	VOC	4.17	7.79
SH7-2	Alpha Drop Receiver No. 1 (SH7-ADR1)	VOC	0.52	0.97
SH7-3	Alpha Drop Receiver No. 2 (SH7-ADR2)	VOC	0.52	0.97
SH7-4	Carbon Dioxide Regeneration System (Deodorizer, Scrubber and Trap) No. 3 (SH7-CO2)	VOC	1.86	1.00
Building 65 (No. 8)				
SH8-1	Twenty 3,600-Barrel Lager Tanks (SH8-LT1)	VOC	1.42	2.66
SH8-2	Twenty 3,600-Barrel Lager Tanks (SH8-LT2)	VOC	1.42	2.66
SH8-3	Twenty 3,600-Barrel Lager Tanks (SH8-LT3)	VOC	1.42	2.66
SH8-4	Nineteen 3,600-Barrel Lager Tanks (SH8-LT4)	VOC	2.51	1.35
SH8-5	Chip Washers (SH8-CW)	VOC	1.55	2.89
SH8-FUG	Spent Chips Dumpster (SH8-SCD)	VOC (3)	<0.01	0.01

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AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

SH8-HVAC	Two 1,500-Barrel Krausen Holding Tanks (SH8-KHT)	VOC	<0.01	0.01
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Building 44 (No. 9)

SH9-1	Twelve 4,240-Barrel Fermentation Tanks (SH9-AFT1)	Alpha VOC	2.92	5.46
SH9-1	Four 2,120-Barrel Fermentation Tanks (SH9-AFT2)	Alpha VOC	0.49	0.91
SH9-1	Alpha Drop Receiver No. 1 (SH9-ADR1)	VOC	0.52	0.97
SH9-1	Alpha Drop Receiver No. 2 (SH9-ADR2)	VOC	0.52	0.97
SH9-2	Carbon Dioxide Regeneration System (Deodorizer, Scrubber and Trap) (SH9-C02)	VOC	1.52	0.82

Undesignated Building (No. 10)

SH10-1	Eight 4,240-Barrel Unitanks (SH10-UT)	VOC	1.41	0.76
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PACKAGING

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

Building 6 (Bottle Line 04)

BPS-FUG04	Filler (BPS-B04F)	VOC (3)	2.50	4.19
BPS-FUG04	Pasteurizer (BPS-B04P)	VOC (3)	0.06	0.09
BPS-FUG04	Three Ink Coders (BPS-B04MC)	VOC (3)	0.35	0.67
BPS-FUG04	Five Laser Coders (BPS-B04LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG04	Three Bottle Labelers (BPS-B04BL)	VOC (3)	0.14	0.25
BPS-FUG04	Three Case Sealers (BPS-B04CS)	VOC (3)	0.04	0.08

Building 6 (Bottle Line 05)

BPS-FUG05	Filler (BPS-05F)	VOC (3)	3.31	4.19
BPS-FUG05	Pasteurizer (BPS-B05P)	VOC (3)	0.07	0.09
BPS-FUG05	Ink Coder (BPS-B05MC)	VOC (3)	0.48	0.88
BPS-FUG05	Three Laser Coders (BPS-B05LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG05	Two Bottle Labelers (BPS-B05BL)	VOC (3)	0.18	0.34
BPS-FUG05	Case Sealer (BPS-B05CS)	VOC (3)	0.06	0.10

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Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

Building 6 (Keg Line 99)

BPS-FUG99	Keg Washer (BPS-K99W)	VOC (3)	<0.01	<0.01
BPS-FUG99	Filler (BPS-K99F)	VOC (3)	0.21	0.21
BPS-FUG99	Two Video Jet Coders (BPS-K99VJ)	VOC (3)	0.47	0.88

Building 66 (General)

BPS-4	Sleeve Removal System (BPS-SRS)	PM/PM ₁₀ (3)	0.04	0.17
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Building 66 (Bottle Line 06)

BPS-1	Filler (BPS-B06F)	VOC (3)	4.00	4.19
BPS-1	Pasteurizer (BPS-B06P)	VOC (3)	0.09	0.09
BPS-FUG06	Three Video Jet Coders (BPS-B06VJ)	VOC (3)	0.45	0.85
BPS-FUG06	Four Ink Coders (BPS-B06MC)	VOC (3)	0.57	1.07
BPS-FUG06	Five Laser Coders (BPS-B06LC)	PM/PM ₁₀ (3)	<0.01	<0.01

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Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

BPS-FUG06	Three Bottle Labelers (BPS-B06BL)	VOC (3)	0.22	0.41
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BPS-FUG06	Three Case Sealers (BPS-B06CS)	VOC (3)	0.07	0.12
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Building 5 (Bottle Line 07)

BPS-FUG07	Filler (BPS-B07F)	VOC (3)	3.31	4.19
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BPS-FUG07	Pasteurizer (BPS-B07P)	VOC (3)	0.07	0.09
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BPS-FUG07	Two Ink Coders (BPS-B07MC)	VOC (3)	0.48	0.88
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BPS-FUG07	Three Laser Coders (BPS-B07LC)	PM/PM ₁₀ (3)	<0.01	<0.01
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BPS-FUG07	Three Bottle Labelers (BPS-B07BL)	VOC (3)	0.18	0.34
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BPS-FUG07	Case Sealer (BPS-B07CS)	VOC (3)	0.06	0.10
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Building 5 (Bottle Line 08)

BPS-FUG08	Filler (BPS-B08F)	VOC (3)	3.31	4.19
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BPS-FUG08	Pasteurizer (BPS-B08P)	VOC (3)	0.07	0.09
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BPS-FUG08	Two Ink Coders (BPS-B08MC)	VOC (3)	0.48	0.88
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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

BPS-FUG08	Three Laser Coders (BPS-B08LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG08	Three Bottle Labelers (BPS-B08BL)	VOC (3)	0.18	0.34
BPS-FUG08	Case Sealer (BPS-B08CS)	VOC (3)	0.06	0.10

Building 66 (Can Line 63)

BPS-FUG63	Filler No. 1 (BPS-C63F1)	VOC (3)	2.07	8.97
BPS-FUG63	Filler No. 2 (BPS-C63F2)	VOC (3)	2.07	8.97
BPS-FUG63	Pasteurizer (BPS-C63P)	VOC (3)	0.11	0.45
BPS-FUG63	Four Video Jet Coders (BPS-C63VJ)	VOC (3)	0.53	0.99
BPS-FUG63	Two Ink Coders (BPS-C63MC)	VOC (3)	0.67	1.25
BPS-FUG63	Laser Coder (BPS-C63LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG63	Three Case Sealers (BPS-C63CS)	VOC (3)	0.08	0.15

Building 66 (Can Line 64)

BPS-FUG64	Filler (BPS-C64F)	VOC (3)	4.09	8.97
BPS-FUG64	Pasteurizer (BPS-C64P)	VOC (3)	0.10	0.23
BPS-FUG64	Four Video Jet Coders (BPS-C64VJ)	VOC (3)	0.52	0.98

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

BPS-FUG64	Ink Coder (BPS-C64MC)	VOC (3)	0.66	1.23
BPS-FUG64	Two Laser Coders (BPS-C64LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG64	Three Case Sealers (BPS-C64CS)	VOC (3)	0.08	0.14
BPS-FUG64	Carton Salvage Baler (BPS-C64BCS)	PM/PM ₁₀ (3)	0.02	0.08

Building 66 (Can Line 65)

BPS-FUG65	Filler (BPS-C65F)	VOC (3)	4.76	8.97
BPS-FUG65	Pasteurizer (BPS-C65P)	VOC (3)	0.12	0.23
BPS-FUG65	Four Video Jet Coders (BPS-C65VJ)	VOC (3)	0.61	1.14
BPS-FUG65	Ink Coder (BPS-C65MC)	VOC (3)	0.77	1.44
BPS-FUG65	Case Sealer (BPS-C65CS)	VOC (3)	0.09	0.17

Building 66 (Can Line 66)

BPS-2	Filler (BPS-C66F)	VOC (3)	4.72	8.97
BPS-2	Pasteurizer (BPS-C66P)	VOC (3)	0.12	0.23
BPS-FUG66	Four Video Jet Coders (BPS-C66VJ)	VOC (3)	0.61	1.13

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
BPS-FUG66	Three Ink Coders (BPS-C66MC)	VOC (3)	0.76	1.43
BPS-FUG66	Laser Coder (BPS-C66LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG66	Five Case Sealers (BPS-C66CS)	VOC (3)	0.09	0.17
BPS-FUG66	Carton Salvage Baler (BPS-C66BCS)	PM/PM ₁₀ (3)	0.01	0.05

BREWERY SUPPORT OPERATIONS

UTILITIES

General

GEN-NH ₃	Refrigeration System (GEN-NH ₃)	NH ₃	0.72	3.20
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Building 7 (Powerhouse)

PWR-1	Boiler No. 1 (PWR-B01)	VOC	0.44	1.90
		PM/PM ₁₀	1.10	2.80
		NO _x	11.40	36.30
		CO	6.72	29.40
		SO ₂	24.30	9.00
PWR-2	Boiler No. 2 (PWR-B02)	VOC	0.44	1.90
		PM/PM ₁₀	1.10	2.80
		NO _x	11.40	36.30
		CO	6.72	29.40
		SO ₂	24.30	9.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
PWR-3	Boiler No. 3 (PWR-B03)	VOC	0.44	1.90
		PM/PM ₁₀	1.10	2.80
		NO _x	11.40	36.30
		CO	6.72	29.40
		SO ₂	24.30	9.00
PWR-4	Boiler No. 4 (PWR-B04)	VOC	0.55	
		PM/PM ₁₀	2.30	
		NO _x	14.30	
		CO	8.38	
		SO ₂	49.10	
PWR-5	Boiler No. 5 (PWR-B05)	VOC	0.55	
		PM/PM ₁₀	2.30	
		NO _x	14.30	
		CO	8.38	
		SO ₂	49.10	
PWR-6	Boiler No. 6 (PWR-B06)	VOC	0.55	
		PM/PM ₁₀	1.40	
		NO _x	14.30	
		CO	8.37	
		SO ₂	30.30	
PWR-4, PWR-5, and PWR-6	Boiler Nos. 4, 5, and 6 (PWR-B04, PWR-B05, and PWR-06)	VOC		7.20
		PM/PM ₁₀		11.30
		NO _x		136.60(4)
		CO		110.00(4)
		SO ₂		77.00(4)

Near Building 9A

TRACK-01	Trackmobile Diesel Storage Tank (TRACK-DST)	VOC	<0.01	<0.01
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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

RECYCLING

Between Building Nos. 4A and 6 (Recycle Dock)

RDOCK-FUG1	Glass Crusher (RDOCK-GC)	VOC (3)	0.56	0.71
RDOCK-FUG2	Can Crusher (RDOCK-CC)	VOC (3)	0.68	1.73
RDOCK-FUG3	Spent Chips Dumpster (RDOCK-SCD)	VOC (3)	<0.01	0.01
RDOCK-FUG4	Beer Sump (RDOCK-WBS)	VOC (3)	0.49	0.92
RDOCK-1	Carton Salvage Baler (RDOCK-BCS)	PM/PM ₁₀	0.05	0.21

Blockhouse

BLOCK-BCS	Carton Salvage Baler (BLOCK-BCS)	PM/PM ₁₀	0.01	0.05
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Building 61 (Alcohol Distillation Unit)

ALC-1	Waste Beer Feed Tank (ALC-WBF)	VOC	2.03	0.90
ALC-2	Waste Yeast Feed Tank (ALC-WYF)	VOC	2.03	0.90
ALC-FUG1	Distillation Condenser (ALC-DC)	VOC (3)	2.61	4.87
ALC-3	Distillation Tanks (ALC-DT)		VOC	0.02
	0.03			
ALC-FUG2	Distillation Truck Loadout (ALC-DTL)	VOC (3)	0.15	0.29

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

Near Building 78

GEN-03	Ozonator (GEN-03)	VOC (3)	0.11	0.39
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**MAINTENANCE
General**

BHA-FUG	Fumigation (BREW-FUG)	VOC (3)(5) PH ₃	0.30 <0.01	1.29 0.01
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Building 3

BHA-FUG	Carbon Filter Regenerators Nos. 1 through 9 (BHA-CFR)	VOC (3)	0.01	0.02
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Building 6

BPS-FUGPW1	5-Gallon Parts Washer (BPS-PW1)	VOC (3)	0.05	0.02
BPS-FUGPW2	5-Gallon Parts Washer (BPS-PW2)	VOC (3)	0.05	0.02
BPS-FUGPW3	17-Gallon Parts Washer (BPS-PW3)	VOC (3)	0.05	0.06

Building 7

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
PWR-FUG	Parts Washer (PWR-PW)	VOC (3)	0.05	0.23
Building 9				
PAINT-FUG2	Paint Room (PAINT-PSB)	VOC (3)	0.22	0.22
		PM/PM ₁₀ (3)	0.04	0.04
PAINT-FUG3	Paint Still (PAINT-STL)	VOC (3)	<0.01	0.02
Near Building 10				
YARD-01	Carpenter Shop (YARD-CSDC)	PM/PM ₁₀	0.77	0.80
Building 63				
BHB-FUG	Carbon Filter Regenerators <0.01 Nos. 10 through 13 (BHB-CFR)	VOC (3)		<0.01
Building 66				
FORK-FUG	Parts Washer (FORK-PW)	VOC (3)	0.05	0.23
Building 77				
BRM-FUG	67-Gallon Parts Washer (BRM-PW)	VOC (3)	0.05	0.23

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY

SAFETY

Near Building 10

FIRE-01	Fire Water Pump (Engine) (FIRE-WP)	VOC	0.78	0.20
		PM/PM ₁₀	0.68	0.17
		NO _x	9.61	2.40
		CO	2.07	0.52
		SO ₂	0.64	0.16
FIRE-02	Fire Water Pump Diesel Storage Tank (FIRE-DST)	VOC	<0.01	<0.01

WASTEWATER TREATMENT

WWT-FUG1	Wastewater Station No. 1 (WWT-WS1)	VOC (3)	0.02	0.07
WWT-FUG2	Wastewater Collection Pit (WWT-WCP)	VOC (3)	0.02	0.11
BPS-FUGGD	Waste Beer Sump (WWT-WBS)	VOC (3)	0.49	0.92
WWT-FUG	Wastewater Collection Fugitives (WWT-WCF)	VOC (3)	0.33	1.44
BERS-1	Flare (BERS-FL)	CO	39.60	96.30(4)
		H ₂ S	0.64	0.42
		NO _x	4.60	11.20(4)
		SO ₂	60.60	36.90(4)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (2)	Source Name and No.(FIN)	Air Contaminant Name (1)	Emission Rates	
			lb/hr	TPY
BERS-2	Biofilter (BERS-BIO)	H ₂ S (3)	1.50	2.24
BERS-3	Bio-Energy Recovery System Fugitives (BERS-FUG)	H ₂ S (3)	<0.01	0.01

(1) PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter, equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NH₃ - ammonia

NO_x - oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

PH₃ - phosphine

H₂S - hydrogen sulfide

(2) Any 12-consecutive months

(3) Fugitive emissions

(4) Emission rates when burning full capacity of bio-gas. When bio-gas fuels the boilers, there are no emissions from the flare; and when bio-gas fuels the flare, boiler emissions are 136.60 TPY NO_x, 110.00 TPY CO, and 40.3 TPY SO₂.

(5) Methyl bromide

Dated _____