

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.	Source Name (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY(2)
BREWING OPERATIONS				
GRAINS HANDLING				
Building 2 (Old Side)				
GU-O1	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-O1	Vacuum Cleaning I (GH-VC1)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
BHA-9	Vacuum Cleaning 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 (GH-GBD2)	PM	0.45	1.97
		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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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
GH-N3	Malt Surge Bin/Cleaner (GH-MSBC)	PM	0.20	0.89
		PM ₁₀	0.03	0.13
GH-N4	Rice Surge Bin/Cleaner (GH-RSBC)	PM	0.09	0.39
		PM ₁₀	0.01	0.06
BHB-20	Malt Conveying IIB (GH-MALT2B)	PM	0.20	0.89
		PM ₁₀	0.03	0.13
BHB-21	Rice Conveying IIB (GH-RICE2B)	PM	0.09	0.39
		PM ₁₀	0.01	0.06
BHB-22	Mill Dust Collection II (GH-MDC2)	PM	0.35	1.54
		PM ₁₀	0.25	1.08
BHB-24	Mill Dust Collection III (GH-MDC3)	PM	0.35	1.54
		PM ₁₀	0.25	1.08
GH-N5	Vacuum Cleaning III (GH-VC3)	PM (3)	<0.01	<0.01
		PM ₁₀ (3)	<0.01	<0.01
BHB-23	Vacuum Cleaning IV (GH-VC4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
GH-N6	Vacuum Cleaning V (GH-VC5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01

BREWHOUSE
Building 3 (Old Side)

BHA-1	Mash Cooker No. 1 (BHA-MC1)	VOC	0.12	0.23
BHA-2	Mash Cooker No. 2 (BHA-MC2)	VOC	0.12	0.23
BHA-3	Brew Kettle No.1 (BHA-BK1)	VOC	1.11	2.21

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			lb/hr	TPY (2)
BHA-4	Holding Kettle (BHA-HK)	VOC	0.40	0.79
BHA-5	Hops Strainer (BHA-HS)	VOC	0.13	0.25
BHA-FUG	Two 50-Barrel Precoat Tanks (BHA-PCT)	PM/PM ₁₀	<0.01	0.01
BHA-FUG	Two 50-Barrel Body Feed Tanks (BHA-BFT)	PM/PM ₁₀	<0.01	0.01
Building 3X				
BHX-1	Mash Cooker No. 3 (BHX-MC3)	VOC	0.12	0.23
BHX-2	Lauter Tub No. 1 (BHX-LT1)	VOC	0.54	1.07
BHX-3	Lauter Tub No. 2 (BHX-LT2)	VOC	0.54	1.07
BHX-4	Brew Kettle No. 2 (BHX-BK2)	VOC	1.11	2.21
BHX-5	Hot Wort Receiver No. 2 (BHX-HWR2)	VOC	0.06	0.13
BHX-6	Press Feed Tank No. 1 (BHX-PFT1)	VOC	0.01	0.02
BHX-7	Press Feed Tank No. 2 (BHX-PFT2)	VOC	0.01	0.02
BHX-8	Truck Loadout Tank (BHX-TLT)	VOC	0.02	0.03

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
BHX-9	Hot Trub Collection Tank No. 2 (BHX-HTC2)	VOC	0.29	0.57
Building 63				
BHB-1	Mash Cooker No. 4 (BHB-MC4)	VOC	0.12	0.23
BHB-2	Mash Cooker No. 5 (BHB-MC5)	VOC	0.12	0.23
BHB-3	Mash Cooker No. 6 (BHB-MC6)	VOC	0.12	0.23
BHB-4	Mash Cooker No. 7 (BHB-MC7)	VOC	0.12	0.23
BHB-5	Mash Cooker No. 8 (BHB-MC8)	VOC	0.12	0.23
BHB-6	Lauter Tub No. 3 (BHB-LT3)	VOC	0.54	1.07
BHB-7	Lauter Tub No. 4 (BHB-LT4)	VOC	0.54	1.07
BHB-8	Brew Kettle No. 3 (BHB-BK3)	VOC	1.11	2.21
BHB-9	Brew Kettle No. 4 (BHB-BK4)	VOC	1.11	2.21
BHB-10	Brew Kettle No. 5 (BHB-BK5)	VOC	1.11	2.21
BHB-11	Hot Wort Receiver No. 1	VOC	0.06	0.13

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
	(BHB-HWR1)			
BHB-12	Hot Wort Receiver No. 3 (BHB-HWR3)	VOC	0.06	0.13
BHB-13	Hot Wort Receiver No. 4 (BHB-HWR4)	VOC	0.06	0.13
BHB-HVAC	Hot Trub Collection Tank No. 1 (BHB-HTC1)	VOC	0.29	0.57
BHB-HVAC	Hot Trub Collection Tank No. 3 (BHB-HTC3)	VOC	0.29	0.57
BHB-14	Hops Strainer (BHB-HS)	VOC	0.13	0.25
BHB-15	Wort Aerator No. 1 (BHB-WA1)	VOC	0.92	1.84
BHB-16	Wort Aerator No. 2 (BHB-WA2)	VOC	0.92	1.84
BHB-25	Wort Aerator No. 3 (BHB-WA3)	VOC	0.92	1.84
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
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	VOC	0.02	0.03

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
	(BHB-CFT)			
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 Balance Tanks (SH1-SBB2)	VOC	0.01	<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 Tanks (SH1-CBT)	VOC (3)	0.04	<0.01
SH1-FUG	Five 510-Barrel Blowback Beer Tanks (SH1-BBT)	VOC (3)	0.03	<0.01
SH1-FUG	Schoene Beer Receiver No. 1 (SH1-SR1)	VOC (3)	0.33	0.65
SH1-FUG	Schoene Beer Receiver No. 2 (SH1-SR2)	VOC (3)	0.33	0.65
SH1-FUG	Schoene Beer Receiver No. 3 (SH1-SR3)	VOC (3)	0.33	0.65
SH1-3	One 1,240-Barrel Schoene Beer Tank (SH1-ST1)	VOC	0.09	0.17

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
SH1-3	One 410-Barrel Schoene Beer Tank (SH1-ST2)	VOC	0.03	0.06
SH1-3	Three 610-Barrel Schoene Beer Tanks (SH1-ST3)	VOC	0.13	0.25
SH1-3	Seventeen 1,220-Barrel Schoene Beer Tanks (SH1-ST4)	VOC	1.44	2.86
SH1-3	Thirteen 1,220-Barrel Lager Beer Tanks (SH1-LT1)	VOC	0.33	0.66
SH1-3	Three 510-Barrel Lager Beer Tanks (SH1-LT2)	VOC	0.03	0.06
SH1-3	Twelve 1,220-Barrel Lager Beer Tanks (SH1-LT3)	VOC	0.31	0.61
SH1-4	Three 610-Barrel Schoene Beer Tanks (SH1-ST5)	VOC	0.13	0.25
SH1-4	Six 1,220-Barrel Schoene Beer Tanks (SH1-ST6)	VOC	0.51	1.01
SH1-4	Six 510-Barrel Lager Beer Tanks (SH1-LT4)	VOC	0.06	0.13
SH1-4	Thirteen 1,220-Barrel Lager Beer Tanks (SH1-LT5)	VOC	0.33	0.66
SH1-4	Six 410-Barrel Lager Beer Tanks (SH1-LT6)	VOC	0.05	0.10
SH1-4	Thirteen 1,220-Barrel Lager Beer Tanks (SH1-LT7)	VOC	0.33	0.66
SH1-FUG	Chip Washers (SH1-CW)	VOC (3)	1.49	2.96

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
SH1-5	Carbon Dioxide Regeneration System (Deodorizer, Scrubber and Trap) No. 2 (SH1-CO2)	VOC	0.15	0.30
DESILO-1	Celite or Perlite Storage Silo No. 1 (SH1-DES1)	PM/PM ₁₀	0.01	0.06
DESILO-2	Celite or Perlite Storage Silo No. 2 (SH1-DES2)	PM/PM ₁₀	0.01	0.06
SH1-FUG	One 3-Barrel Tannin Concentrate Tank (SH1-TCT)	PM/PM ₁₀	<0.01	0.01
SH1-FUG	One 50-Barrel Tannin Mix Tank (SH1-TMT)	PM/PM ₁₀	<0.01	0.01
SH1-FUG	One 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	0.54	1.08
SH2-2	One 1,240-Barrel Lager Beer Tank (SH2-LT2)	VOC	0.03	0.05
SH2-2	Twenty-one 1,220-Barrel Lager Beer Tanks (SH2-LT3)	VOC	0.53	1.06
SH2-2	Twenty-one 1,220-Barrel Lager Beer Tanks (SH2-LT4)	VOC	0.53	1.06

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
SH2-2	Twenty-one 1,220-Barrel Lager Beer Tanks (SH2-LT5)	VOC	0.53	1.06
SH2-2	One 1,220-Barrel Lager Beer Tank (SH2-LT6)	VOC	0.03	0.05
Building 4X (No. 3)				
SH3-1	K-Filter No. 3 (SH3-KF3)	VOC	<0.01	<0.01
SH3-1	One 110-Barrel Schoene Beer Balance Tank (SH3-SBB)	VOC	<0.01	<0.01
SH3-1	One 90-Barrel Filter Beer Balance Tank (SH3-FBB)	VOC	<0.01	<0.01
SH3-FUG	Celite or Perlite Sludge Disposal Rotary Filter (SH3-ROTF)	VOC	0.02	0.03
SH3-FUG	Spent Celite (D.E.) Or Perlite Dumpster (SH3-SCD)	VOC (3)	0.02	0.03
SH1-4	Six 1,240-Barrel Schoene Beer Tanks (SH3-ST1)	VOC	0.52	1.03
SH1-4	Six 1,240 Barrel Schoene Beer Tanks (SH3-ST2)	VOC	0.52	1.03
SH1-4	Six 1,240-Barrel Schoene Beer Tanks (SH3-ST3)	VOC	0.52	1.03
SH1-4	Six 1,240-Barrel Schoene Beer Tanks (SH3-ST4)	VOC	0.52	1.03

Building 4AX (No. 4)

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AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
SH4-1	Three 2,365-Barrel Alpha Fermentation Tanks (SH4-AFT1)	VOC	0.47	0.94
SH4-1	One 2,344-Barrel Alpha Fermentation Tank (SH4-AFT2)	VOC	0.16	0.31
SH4-2	Spent Celite (D.E.) Or Perlite Tank (SH4-SCT)	VOC	0.02	0.03
Building 4AX (No. 5)				
SH5-1	Six 1,240-Barrel Lager Beer Tanks (SH5-LT1)	VOC	0.16	0.31
SH5-1	Six 1,240-Barrel Lager Beer Tanks (SH5-LT2)	VOC	0.16	0.31
SH5-1	Six 1,240-Barrel Lager Beer Tanks (SH5-LT3)	VOC	0.16	0.31
SH5-1	Six 1,240-Barrel Lager Beer Tanks (SH5-LT4)	VOC	0.16	0.31
Building 68 (No. 6)				
SH6-HVAC	Spent Yeast Collection Tank No. 1 (SH6-SYC1)	VOC	2.21	4.39
SH6-HVAC	Schoene Sludge Collection Tank No. 1 (SH6-SSC1)	VOC	2.21	4.39
SH6-HVAC	Twelve 690-Barrel Cold Wort Settling Tanks (SH6-CWS)	VOC	0.08	0.15
SH6-HVAC	Eight 200-Barrel Yeast Brinks	VOC	3.53	7.02

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
	(SH6-YB1)			
SH6-HVAC	Two 50-Barrel Yeast Brinks (SH6-YB2)	VOC	0.88	1.76
SH6-HVAC	One 400-Barrel G Beer Tank (SH6-GBT)	VOC	<0.01	<0.01
SH6-1	Seven 850-Barrel Schoene Beer Decant Tanks (SH6-SDT)	VOC	0.34	0.68
SH6-1	Seven 500-Barrel Filtered Beer Tanks (SH6-FBT1)	VOC	0.20	0.40
SH6-1	Seven 1,600-Barrel Filtered Beer Tanks (SH6-FBT2)	VOC	0.64	1.28
SH6-2	Seven 850-Barrel Filtered Beer Tanks (SH6-FBT3)	VOC	0.34	0.68
SH6-2	Six 850-Barrel Filtered Beer Tanks (SH6-FBT4)	VOC	0.29	0.58
SH6-3	Seven 850-Barrel Filtered Beer Tanks (SH6-FBT5)	VOC	0.34	0.68
SH6-3	Eight 1,600-Barrel Filtered Beer Tanks (SH6-FBT6)	VOC	0.74	1.47
SH6-3	One 850-Barrel Filtered Beer Tank (SH6-FBT7)	VOC	0.05	0.10
SH6-3	Eight 1,600-Barrel Filtered Beer Tanks (SH6-FBT8)	VOC	0.74	1.47
SH6-3	Six 2,000-Barrel Filtered Beer Tanks (SH6-FBT9)	VOC	0.69	1.37

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

Building 64 (No. 7)

SH7-1	Twelve 6,050-Barrel Alpha Fermentation Tanks (SH7-AFT)	VOC	4.81	9.57
SH7-2	Alpha Drop Receiver No. 1 (SH7-ADR1)	VOC	0.55	1.10
SH7-3	Alpha Drop Receiver No. 2 (SH7-ADR2)	VOC	0.55	1.10
SH7-4	Carbon Dioxide Regeneration System (Deodorizer, Scrubber, and Trap) No. 3 (SH7-CO2)	VOC	1.15	2.29

Building 65 (No. 8)

SH8-1	Twenty 3,600-Barrel Lager Beer Tanks (SH8-LT1)	VOC	1.50	2.98
SH8-2	Twenty 3,600-Barrel Lager Beer Tanks (SH8-LT2)	VOC	1.50	2.98
SH8-3	Twenty 3,600-Barrel Lager Beer Tanks (SH8-LT3)	VOC	1.50	2.98
SH8-4	Nineteen 3,600-Barrel Lager Beer Tanks (SH8-LT4)	VOC	1.42	2.84
SH8-5	Chip Washers (SH8-CW)	VOC	1.78	3.55
SH8-FUG	Spent Chips Dumpster (SH8-SCD)	VOC (3)	0.01	0.02

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
SH8-HVAC	Two 1,500-Barrel Kraeusen Holding Tanks (SH8-KHT)	VOC	0.01	0.02
Building 44 (No. 9)				
SH9-1	Twelve 4,240-Barrel Alpha Fermentation Tanks (SH9-AFT1)	VOC	3.37	6.70
SH9-1	Four 2,120-Barrel Alpha Fermentation Tanks (SH9-AFT2)	VOC	0.56	1.12
SH9-1	Alpha Drop Receiver No. 1 (SH9-ADR1)	VOC	0.55	1.10
SH9-1	Alpha Drop Receiver No. 2 (SH9-ADR2)	VOC	0.55	1.10
SH9-2	Carbon Dioxide Regeneration System (Deodorizer, Scrubber, and Trap) (SH9-CO2)	VOC	0.94	1.87
Building 45 (No. 10)				
SH10-1	Eight 4,240-Barrel Unitanks (SH10-UT)	VOC	0.80	1.59
Undesignated Building (No. 10A)				
SH10A-1	Ten 4,800-Barrel Unitanks (SH10A-UT)	VOC	1.00	1.99

PACKAGING

Building 6 (Bottle Line 04)

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY (2)</u>
BPS-FUG04	Filler (BPS-B04F)	VOC (3)	3.31	5.14
BPS-FUG04	Pasteurizer (BPS-B04P)	VOC (3)	0.07	0.12
BPS-FUG04	Ink Coder (BPS-B04MC)	VOC (3)	0.47	0.93

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Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
BPS-FUG04	Three Laser Coders (BPS-B04LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG04	Two Bottle Labelers (BPS-B04BL)	VOC (3)	0.20	0.39
BPS-FUG04	Case Sealer (BPS-B04CS)	VOC (3)	0.05	0.11
Building 6 (Bottle Line 05)				
BPS-FUG05	Filler (BPS-B05F)	VOC (3)	3.31	5.14
BPS-FUG05	Pasteurizer (BPS-B05P)	VOC (3)	0.07	0.12
BPS-FUG05	Ink Coder (BPS-B05MC)	VOC (3)	0.47	0.93
BPS-FUG05	Three Laser Coders (BPS-B05LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG05	Two Bottle Labelers (BPS-B05BL)	VOC (3)	0.20	0.39
BPS-FUG05	Case Sealer (BPS-B05CS)	VOC (3)	0.05	0.11
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	0.26
BPS-FUG99	Two Video Jet Coders (BPS-K99VJ)	VOC (3)	0.46	0.90

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			lb/hr	TPY (2)

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	4.00	5.14
BPS-1	Pasteurizer (BPS-B06P)	VOC	0.09	0.12
BPS-FUG06	Three Video Jet Coders (BPS-B06VJ)	VOC (3)	0.44	0.87
BPS-FUG06	Three Ink Coders (BPS-B06MC)	VOC (3)	0.56	1.12
BPS-FUG06	Five Laser Coders (BPS-B06LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG06	Three Bottle Labelers (BPS-B06BL)	VOC (3)	0.24	0.47
BPS-FUG06	Three Case Sealers (BPS-B06CS)	VOC (3)	0.07	0.13
BPS-FUG06	Packers vented through Dust Collector (BPS-B06TDC)	PM/PM ₁₀	0.04	0.17

Building 66 (Bottle Line 07)

BPS-FUG07	Filler (BPS-B07F)	VOC (3)	3.31	5.14
BPS-FUG07	Pasteurizer (BPS-B07P)	VOC (3)	0.07	0.12
BPS-FUG07	Ink Coder	VOC (3)	0.47	0.93

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			lb/hr	TPY (2)
	(BPS-B07MC)			
BPS-FUG07	Four Laser Coders (BPS-B07LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG07	Three Bottle Labelers (BPS-B07BL)	VOC (3)	0.20	0.39
BPS-FUG07	Case Sealer (BPS-B07CS)	VOC (3)	0.05	0.11
Building 66 (Bottle Line 08)				
BPS-FUG08	Filler (BPS-B08F)	VOC (3)	3.31	5.14
BPS-FUG08	Pasteurizer (BPS-B08P)	VOC (3)	0.07	0.12
BPS-FUG08	Ink Coder (BPS-B08MC)	VOC (3)	0.47	0.93
BPS-FUG08	Three Laser Coders (BPS-B08LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG08	Three Bottle Labelers (BPS-B08BL)	VOC (3)	0.20	0.39
BPS-FUG08	Case Sealer (BPS-B08CS)	VOC (3)	0.05	0.11
Building 66 (Can Line 63)				
BPS-FUG63	Filler No. 1 (BPS-C63F1)	VOC (3)	2.07	9.17
BPS-FUG63	Filler No. 2 (BPS-C63F2)	VOC (3)	2.07	9.17
BPS-FUG63	Pasteurizer (BPS-C63P)	VOC (3)	0.11	0.46

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
BPS-FUG63	Four Video Jet Coders (BPS-C63VJ)	VOC (3)	0.52	1.02
BPS-FUG63	Two Ink Coders (BPS-C63MC)	VOC (3)	0.66	1.31
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	9.17
BPS-FUG64	Pasteurizer (BPS-C64P)	VOC (3)	0.10	0.23
BPS-FUG64	Four Video Jet Coders (BPS-C64VJ)	VOC (3)	0.51	1.01
BPS-FUG64	Ink Coder (BPS-C64MC)	VOC (3)	0.65	1.29
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	0.15
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	9.17
BPS-FUG65	Pasteurizer (BPS-C65P)	VOC (3)	0.12	0.23
BPS-FUG65	Four Video Jet Coders	VOC (3)	0.59	1.17

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

(BPS-C65VJ)

BPS-FUG65	Ink Coder (BPS-C65MC)	VOC (3)	0.75	1.51
BPS-FUG65	Case Sealer (BPS-C65CS)	VOC (3)	0.09	0.18

Building 66 (Can Line 66)

BPS-2	Filler (BPS-C66F)	VOC	4.72	9.17
BPS-2	Pasteurizer (BPS-C66P)	VOC	0.12	0.23
BPS-FUG66	Four Video Jet Coders (BPS-C66VJ)	VOC (3)	0.58	1.17
BPS-FUG66	Three Ink Coders (BPS-C66MC)	VOC (3)	0.75	1.50
BPS-FUG66	Two Laser Coders (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

Building 66 (Can Line 67)

BPS-FUG67	Filler (BPS-C67F)	VOC (3)	4.76	9.17
BPS-FUG67	Pasteurizer (BPS-C67P)	VOC (3)	0.12	0.23

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
BPS-FUG67	Four Video Jet Coders (BPS-C67VJ)	VOC (3)	0.59	1.17
BPS-FUG67	Ink Coder (BPS-C67MC)	VOC (3)	0.75	1.51
BPS-FUG67	Laser Coder (BPS-C67LC)	PM/PM ₁₀ (3)	<0.01	<0.01
BPS-FUG67	Case Sealer (BPS-C67CS)	VOC (3)	0.09	0.18

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 (4)	1.90 (4)
		PM/PM ₁₀	1.10 (4)	2.80 (4)
		NO _x	11.40 (4)	36.30 (4)
		CO	6.72 (4)	29.40 (4)
		SO ₂	24.30 (4)	9.00 (4)
PWR-2	Boiler No. 2 (PWR-B02)	VOC	0.44 (4)	1.90 (4)
		PM/PM ₁₀	1.10 (4)	2.80 (4)
		NO _x	11.40 (4)	36.30 (4)
		CO	6.72 (4)	29.40 (4)
		SO ₂	24.30 (4)	9.00 (4)
PWR-3	Boiler No. 3 (PWR-B03)	VOC	0.44 (4)	1.90 (4)
		PM/PM ₁₀	1.10 (4)	2.80 (4)
		NO _x	11.40 (4)	36.30 (4)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
		CO	6.72 (4)	29.40 (4)
		SO ₂	24.30 (4)	9.00 (4)
PWR-4	Boiler No. 4 (PWR-B04)	VOC	0.55 (5)	2.40 (5)
		PM/PM ₁₀	2.30 (5)	4.70 (5)
		NO _x	11.50 (5)	49.20 (5)
		CO	8.38 (5)	36.70 (5)
		SO ₂	49.10 (5)	76.60 (5)
PWR-5	Boiler No. 5 (PWR-B05)	VOC	0.55 (5)	2.40 (5)
		PM/PM ₁₀	2.30 (5)	4.70 (5)
		NO _x	11.50 (5)	49.20 (5)
		CO	8.38 (5)	36.70 (5)
		SO ₂	49.10 (5)	76.60 (5)
PWR-6	Boiler No. 6 (PWR-B06)	VOC	0.55 (4)	2.40 (4)
		PM/PM ₁₀	1.40 (4)	4.10 (4)
		NO _x	14.30 (4)	49.20 (4)
		CO	8.37 (4)	36.70 (4)
		SO ₂	30.30 (4)	39.80 (4)

Near Building 9A

TRACK-01	Trackmobile Diesel Storage Tank (TRACK-DST)	VOC	<0.01	<0.01
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RECYCLING

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

RDOCK-FUG1	Glass Crusher (RDOCK-GC)	VOC (3)	0.59	0.88
RDOCK-FUG2	Can Crusher (RDOCK-CC)	VOC (3)	0.87	2.12
RDOCK-FUG3	Spent Chips Dumpster (RDOCK-SCD)	VOC (3)	0.01	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
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
MAINTENANCE General				
BREW-FUG	Fumigation (BREW-FUG)	VOC (3)(6) PH ₃ (3)	0.30 <0.01	1.29 0.01
Building 3				
BHA-FUG	Carbon Filter Regenerators Nos. 1 through 9 (BHA-CFR)	VOC (3)	0.01	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	Emission Rates	
			lb/hr	TPY (2)
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				
PWR-FUG	Parts Washer (PWR-PW)	VOC (3)	0.05	0.23
Building 9				
PAINT-FUG2	Paint Booth (PAINT-PSB)	VOC PM/PM ₁₀	4.72 <0.01	0.27 <0.01
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 Nos. 10 through 13 (BHB-CFR)	VOC (3)	0.01	0.01
Building 66				

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
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
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
WASTE 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
WWT-FUG	Wastewater Collection Fugitives (WWT-WCF)	VOC (3)	0.33	1.43
BERS-1	Flare (BERS-FL)	CO	39.60	96.30 (7)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
		H ₂ S	0.64	0.42
		NO _x	4.60	11.20 (7)
		SO ₂	60.60	36.90 (7)
BERS-2	Biofilter (BERS-BIO)	H ₂ S (3)	1.50	2.24

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

- (1) PM - total 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) Worst case emission rates when burning natural gas or natural gas and fuel oil.
(5) Worst case emission rates when burning any combination of natural gas, fuel oil, and bio-gas (no bio-gas to flare).
(6) Methyl bromide.
(7) Emission rates when burning full capacity of bio-gas (when bio-gas fuels the boilers, there are no emissions from the flare).

Dated May 9, 2001