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	Emission Rates TPY (2)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 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)	Emission Rates lb/hr	Emission Rates TPY(2)
	BREWING OPERATIONS			
	GRAINS HANDLING			
	Buildings 2 (Old Side) and 62 (New 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
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	PM	0.20	0.89

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	Emission Rates TPY (2)
	(GH-MALT2A)	PM_{10}	0.03	0.13
GH-N2	Rice Conveying IIA	PM	0.09	0.39
	(GH-RICE2A)	PM_{10}	0.01	0.06
BHB-20	Malt Conveying IIB	PM	0.20	0.89
	(GH-MALT2B)	PM_{10}	0.03	0.13
BHB-21	Rice Conveying IIB	PM	0.09	0.39
	(GH-RICE2B)	PM_{10}	0.01	0.06
BHB-22	Mill Dust Collection II	PM	0.35	1.54
	(GH-MDC2)	PM_{10}	0.25	1.08
BHB-24	Mill Dust Collection III	PM	0.35	1.54
	(GH-MDC3)	PM_{10}	0.25	1.08
GH-O1	Vacuum Cleaning I	PM	<0.01	
	(GH-VC1)	PM_{10}	<0.01	
BHA-9	Vacuum Cleaning II	PM	<0.01	
	(GH-VC2)	PM_{10}	<0.01	
GH-N5	Vacuum Cleaning III	PM (3)	<0.01	
	(GH-VC3)	PM_{10} (3)	<0.01	
BHB-23	Vacuum Cleaning IV	PM	<0.01	
	(GH-VC4)	PM_{10}	<0.01	
GH-N6	Vacuum Cleaning V	PM	<0.01	
	(GH-VC5)	PM_{10}	<0.01	
GH-O1, BHA-9, GH-N5, BHB-23, and GH-N6	Vacuum Cleaning I, II, III, IV and V (GH-VC1, GH-VC2, GH-VC3, GH-VC4, and GH-VC5)	PM		<0.01 (8)
		PM_{10}		<0.01 (8)

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	Emission Rates TPY (2)
	BREWHOUSE Buildings 3 (Old Side), 3X and 63			
BHA-1	Mash Cooker No. 1 (BHA-MC1)	VOC	0.12	
BHA-2	Mash Cooker No. 2 (BHA-MC2)	VOC	0.12	
BHA-3	Brew Kettle No.1 (BHA-BK1)	VOC	1.12	
BHA-4	Holding Kettle (BHA-HK)	VOC	0.40	0.79
BHA-5	Hops Strainer (BHA-HS)	VOC	0.13	
BHA-FUG	Two 50-Barrel Precoat Tanks (BHA-PCT); Two 50-Barrel Body Feed Tanks (BHA-BFT); and Carbon Filter Regenerators Nos. 1 through 10 (BHA-CFR)	VOC (3) PM/PM_{10} (3)	0.01 <0.01 0.01	
BHX-1	Mash Cooker No. 3 (BHX-MC3)	VOC	0.12	
BHX-2	Lauter Tub No. 1 (BHX-LT1)	VOC	0.54	
BHX-3	Lauter Tub No. 2 (BHX-LT2)	VOC	0.54	
BHX-4	Brew Kettle No. 2 (BHX-BK2)	VOC	1.12	
BHX-5	Hot Wort Receiver No. 2 (BHX-HWR2)	VOC	0.06	
BHX-6	Press Feed Tank No. 1 (BHX-PFT1)	VOC		0.01
BHX-7	Press Feed Tank No. 2 (BHX-PFT2)	VOC		0.01
BHX-8	Truck Loadout Tank (BHX-TLT)	VOC	0.02	0.03
BHX-9	Hot Trub Collection Tank No. 2	VOC	0.29	

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	Emission Rates TPY (2)
	(BHX-HTC2)			
BHB-1	Mash Cooker No. 4 (BHB-MC4)	VOC	0.12	
BHB-2	Mash Cooker No. 5 (BHB-MC5)	VOC	0.12	
BHB-3	Mash Cooker No. 6 (BHB-MC6)	VOC	0.12	
BHB-4	Mash Cooker No. 7 (BHB-MC7)	VOC	0.12	
BHB-5	Mash Cooker No. 8 (BHB-MC8)	VOC	0.12	
BHB-6	Lauter Tub No. 3 (BHB-LT3)	VOC	0.54	
BHB-7	Lauter Tub No. 4 (BHB-LT4)	VOC	0.54	
BHB-8	Brew Kettle No. 3 (BHB-BK3)	VOC	1.12	
BHB-9	Brew Kettle No. 4 (BHB-BK4)	VOC	1.12	
BHB-10	Brew Kettle No. 5 (BHB-BK5)	VOC	1.12	
BHB-11	Hot Wort Receiver No. 1 (BHB-HWR1)	VOC	0.06	
BHB-12	Hot Wort Receiver No. 3 (BHB-HWR3)	VOC	0.06	
BHB-13	Hot Wort Receiver No. 4 (BHB-HWR4)	VOC	0.06	
BHB-14	Hops Strainer (BHB-HS)	VOC	0.13	
BHB-15	Wort Aerator No. 1 (BHB-WA1)	VOC	0.93	
BHB-16	Wort Aerator No. 2 (BHB-WA2)	VOC	0.93	
BHB-17	Press Effluent Tank (BHB-PET)	VOC	0.04	0.07

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	Emission Rates TPY (2)
	and Lauter Tub Effluent Tank (BHB-LTET)			
BHB-18	Centrifuge Effluent Tank (BHB-CET)	VOC	0.02	0.03
BHB-19	Centrifuge Feed Tank (BHB-CFT)	VOC	0.02	0.03
BHB-25	Wort Aerator No. 3 (BHB-WA3)	VOC	0.93	
BHB-HVAC	Hot Trub Collection Tank No. 1 (BHB-HTC1) and Tank No. 3 (BHB-HTC3)	VOC	0.58	
BHB-FUG	Two Spent Grain Presses (BHB-SGP) andCarbon Filter Regenerators Nos. 11 through 13 (BHB-CFR)	VOC (3)	0.02	
BHA-1, BHA-2, BHX-1, BHB-1, BHB-2, BHB-3, BHB-4, and BHB-5	Mash Cookers (BHA-MC1, BHA-MC2, BHX-MC3, BHB-MC4, BHB-MC5, BHB-MC6, BHB-MC7, and BHB-MC8	VOC		1.86 (8)
BHA-3, BHX-4, BHB-8, BHB-9, and BHB-10	Brew Kettles (BHA-BK1, BHX-BK2, BHB-BK3, BHB-BK4, and BHB-BK-5)	VOC		11.03 (8)
BHX-2, BHX-3, BHB-6, and BHB-7	Lauter Tubs (BHX-LT1, BHX-LT2, BHB-LT3, and BHB-LT4)	VOC		4.26 (8)
BHX-5, BHB-11, BHB-12, and BHB-13	Hot Wort Receivers (BHX-HWR2, BHB-HWR1, BHB-HWR3, and BHB-HWR4)	VOC		0.51 (8)

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	Emission Rates TPY (2)
BHX-6 and BHX-7	Press Feed Tanks (BHX-PFT1 and BHX-PFT2)	VOC		0.03 (8)
BHX-9 and BHB-HVAC	Hot Trub Collection Tanks (BHX-HTC2, BHB-HTC-1, and BHB-HTC3)	VOC		1.71 (8)
BHA-5 and BHB-14	Hops Strainers (BHA-HS and BHB-HS)	VOC		0.51 (8)
BHB-15, BHB-16, and BHB-25	Wort Aerators (BHB-WA1, BHB-WA2, and BHB-WA3)	VOC		5.51 (8)
BHA-FUG and BHB-FUG	Carbon Filter Regenerators Nos. 1 through 13 (BHA-CFR and BHB-CFR); Two 50-Barrel Precoat Tanks (BHA-PCT); Two 50-Barrel Body Feed Tanks (BHA-BFT); and Two Spent Grain Presses (BHB-SGP)	VOC (3) PM/PM_{10} (3)		0.07 (8) <0.01 (8)
	STOCKHOUSES **Buildings 4 (No. 1), 4A (No. 2), 4X (No. 3), 4AX (Nos. 4 and 5), 68 (No. 6), 64 (No. 7), 65 (No. 8), 44 (No. 9), 45 (No. 10),and Un-designated (No. 10A)**			
SH1-1	Two 60-Barrel K-Filters (SH1-KF1 and 2); Two 37-Barrel Schoene Beer Balance Tanks (SH1-SBB1); and Two 37-Barrel Filter Beer Balance Tanks (SH1-FBB1)	VOC	0.02	<0.01
SH1-2	Two 90-Barrel K-Filters (SH1-KF4 and 5); Two 70-Barrel Schoene Beer Balance Tanks	VOC	0.02	<0.01

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	Emission Rates TPY (2)
	(SH1-SBB2); and Two 70-Barrel Filter BeerBalance Tanks (SH1-FBB2)			
SH1-FUG	Seven 510-Barrel Clear Beer Tanks (SH1-CBT); Five 510-Barrel Blowback Beer Tanks (SH1-BBT); Schoene Beer Receiver No. 1 (SH1-SR1); Schoene Beer Receiver No. 2 (SH1-SR2); Schoene Beer Receiver No. 3 (SH1-SR3); Five Chip Washers (SH1-CW); One 3-Barrel Tannin Concentrate Tank (SH1-TCT); One 50-Barrel Tannin Mix Tank (SH1-TMT); and One 37-Barrel Tannin Supply Tank (SH1-TST)	VOC (3) PM/PM_{10} (3)	2.56 0.01	
SH1-3	One 1,240-Barrel Schoene Beer Tank (SH1-ST1); One 410-Barrel Schoene Beer Tank (SH1-ST2); Three 610-Barrel Schoene Beer Tanks (SH1-ST3); Seventeen 1,220-Barrel Schoene Beer Tanks (SH1-ST4); Thirteen 1,220-Barrel Lager Beer Tanks (SH1-LT1); Three 510-Barrel Lager Beer Tanks (SH1-LT2); and Twelve 1,220-Barrel Lager BeerTanks (SH1-LT3)	VOC	2.37	
SH1-4	Three 610-Barrel Schoene Beer Tanks (SH1-ST5); Six 1,220-Barrel Schoene Beer Tanks (SH1-ST6); Six 510-Barrel Lager Beer Tanks (SH1-LT4); Thirteen 1,220-Barrel Lager Beer Tanks (SH1-LT5); Six 410-Barrel Lager Beer Tanks (SH1-LT6); and Thirteen 1,220-Barrel	VOC	1.43	

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	Emission Rates TPY (2)
	Lager Beer Tanks (SH1-LT7)			
SH1-5	Carbon Dioxide Regeneration System (Deodorizer, Scrubber and Trap) No. 2 (SH1-CO2)	VOC	0.15	
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
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); One 1,240-Barrel Lager Beer Tank (SH2-LT2); Twenty-one 1,220-Barrel LagerBeer Tanks (SH2-LT3); Twenty-one 1,220-Barrel Lager Beer Tanks (SH2-LT4); Twenty-one 1,220-Barrel Lager Beer Tanks (SH2-LT5); and One 1,220-Barrel Lager Beer Tank (SH2-LT6)	VOC	2.23	
SH3-1	K-Filter No. 3 (SH3-KF3); One 110-Barrel Schoene Beer Balance Tank (SH3-SBB); and One 90-Barrel Filter Beer Balance Tank (SH3-FBB)	VOC	<0.01	<0.01
SH3-2	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

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	Emission Rates TPY (2)
SH1-4	Six 1,240-Barrel Schoene Beer Tanks (SH3-ST1); Six 1,240-Barrel Schoene Beer Tanks (SH3-ST2); Six 1,240-Barrel Schoene Beer Tanks (SH3-ST3); and Six 1,240-Barrel Schoene Beer Tanks (SH3-ST4)	VOC	2.08	
SH4-1	Three 2,365-Barrel Alpha Fermentation Tanks (SH4-AFT1) and One 2,344-Barrel Alpha Fermentation Tank (SH4-AFT2)	VOC	0.63	
SH4-2	Spent Celite (D.E.) Or Perlite Tank (SH4-SCT)	VOC	0.02	0.03
SH5-1	Six 1,240-Barrel Lager Beer Tanks (SH5-LT1); Six 1,240-Barrel Lager Beer Tanks (SH5-LT2); Six 1,240-Barrel Lager Beer Tanks (SH5-LT3); and Six 1,240-Barrel Lager Beer Tanks (SH5-LT4)	VOC	0.63	
SH6-HVAC	Spent Yeast Collection Tank No. 1 (SH6-SYC1); Schoene Sludge Collection Tank No. 1 (SH6-SSC1); Twelve 690-Barrel Cold WortSettling Tanks (SH6-CWS); Eight 200-Barrel Yeast Brinks (SH6-YB1); Two 50-Barrel Yeast Brinks (SH6-YB2); and One 400-Barrel G Beer Tank (SH6-GBT)	VOC	8.98	17.70
SH6-1	Seven 850-Barrel Schoene Beer	VOC	1.27	

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	Emission Rates TPY (2)
	Decant Tanks (SH6-SDT); Seven 500-Barrel Filtered Beer Tanks (SH6-FBT1); and Seven 1,600-Barrel Filtered Beer Tanks (SH6-FBT2)			
SH6-2	Seven 850-Barrel Filtered Beer Tanks (SH6-FBT3) and Six 850-Barrel Filtered Beer Tanks (SH6-FBT4)	VOC	0.70	
SH6-3	Seven 850-Barrel Filtered Beer Tanks (SH6-FBT5); Eight 1,600-Barrel Filtered Beer Tanks (SH6-FBT6); One 850-Barrel Filtered Beer Tank (SH6-FBT7); Eight 1,600-Barrel Filtered Beer Tanks (SH6-FBT8); and Six 2,000-Barrel Filtered Beer Tanks (SH6-FBT9)	VOC	2.80	
SH7-1	Twelve 6,050-Barrel Alpha Fermentation Tanks (SH7-AFT)	VOC	4.85	
SH7-2	Alpha Drop Receiver No. 1 (SH7-ADR1)	VOC	0.56	
SH7-3	Alpha Drop Receiver No. 2 (SH7-ADR2)	VOC	0.56	
SH7-4	Carbon Dioxide Regeneration System (Deodorizer, Scrubber, and Trap) No. 3 (SH7-CO2)	VOC	1.16	
SH8-1	Twenty 3,600-Barrel Lager Beer Tanks (SH8-LT1)	VOC	1.53	

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	Emission Rates TPY (2)
SH8-2	Twenty 3,600-Barrel Lager Beer Tanks (SH8-LT2)	VOC	1.53	
SH8-3	Twenty 3,600-Barrel Lager Beer Tanks (SH8-LT3)	VOC	1.53	
SH8-4	Nineteen 3,600-Barrel Lager Beer Tanks (SH8-LT4)	VOC	1.45	
SH8-5	Six Chip Washers (SH8-CW)	VOC	1.80	
SH8-FUG	Spent Chips Dumpster (SH8-SCD)	VOC (3)	0.01	
SH8-HVAC	Two 1,500-Barrel Kraeusen Holding Tanks (SH8-KHT)	VOC	0.01	0.02
SH9-1	Twelve 4,240-Barrel Alpha Fermentation Tanks (SH9-AFT1); Four 2,120-Barrel Alpha Fermentation Tanks (SH9-AFT2); Alpha Drop Receiver No. 1 (SH9-ADR1); and Alpha Drop Receiver No. 2 (SH9-ADR2)	VOC	5.08	
SH9-2	Carbon Dioxide Regeneration System (Deodorizer, Scrubber, and Trap) (SH9-CO2)	VOC	0.95	
SH10-1	Eight 4,240-Barrel Unitanks (SH10-UT)	VOC	0.72	
SH10A-1	Ten 4,800-Barrel Unitanks (SH10A-UT)	VOC	1.02	
SH1-FUG and SH8-5	Schoene Beer Receivers (SH1-SR1, SH1-SR2, and SH1-SR3); Chip Washers (SH1-CW and SH8-CW); Tannin	VOC PM/PM_{10}		8.46 (8) 0.02 (8)

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	Emission Rates TPY (2)
	Concentrate Tank (SH1-TCT); Tannin Mix Tank (SH1-TMT); Tannin Supply Tank (SH1-TST); Clear Beer Tanks (SH1-CBT); and Blowback Beer Tanks (SH!-BBT)			
SH1-3, SH1-4, SH2-2, SH5-1, SH8-1, SH8-2, SH8-3, SH8-4, SH10-1, and SH10A-1	Schoene Beer Tanks (SH1-ST1, SH1-ST2, SH1-ST3, SH1-ST4, SH1-ST5, SH1-ST6, SH3-ST1, SH3-ST2, SH3-ST3, and SH3-ST4); Lager Beer Tanks (SH1-LT1, SH1-LT2, SH1-LT3, SH1-LT4, SH1-LT5, SH1-LT6, SH1-LT7, SH2-LT1, SH2-LT2, SH2-LT3, SH2-LT4, SH2-LT5, SH2-LT6, SH5-LT1, SH5-LT2, SH5-LT3, SH5-LT4, SH8-LT1, SH8-LT2, SH8-LT3, SH8-LT4); and Unitanks (SH10-UT and SH10A-UT)	VOC		32.54 (8)
SH1-5, SH7-4, and SH9-2	Carbon Dioxide Regeneration Systems (SH1-CO2, SH7-CO2 and SH9-CO2)	VOC		4.46 (8)
SH4-1, SH7-1, SH7-2, SH7-3, and SH9-1	Alpha Fermentation Tanks (SH4-AFT1, SH4-AFT2, SH7-AFT, SH9-AFT1 and SH9-AFT2) and Alpha Drop Receivers (SH7-ADR1, SH7-ADR2, SH9-ADR1, and SH9-ADR2)	VOC		23.02 (8)
SH6-1, SH6-2, and SH6-3	Filtered Beer Tanks (SH6-FBT1, SH6-FBT2, SH6-FBT3, SH6-FBT4, SH6-FBT5, SH6-FBT6, SH6-FBT7, SH6-FBT8 and SH6-FBT9) and	VOC		9.39 (8)

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	Emission Rates TPY (2)
	Schoene Decant Tanks (SH6-SDT)			

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	Emission Rates TPY (2)
SH8-FUG and RDOCK-FUG3	Spent Chips Dumpsters (SH8-SCD and RDOCK-SCD)	VOC (3)		0.03
	PACKAGING Buildings 5, 6,and 66 (Bottle Lines 04 05, 06, 07,and 08; Keg Line 99; Can Lines 63, 64, 65, 66,and 67); and Recycle Dock			
BPS-FUG04	Filler (BPS-B04F); Pasteurizer (BPS-B04P); Ink Coder; (BPS-B04MC); Three Laser Coders (BPS-B04LC); Two Bottle Labelers (BPS-B04BL); Case Sealer (BPS-B04CS); and Glass Crusher (BPS-B04GC)	VOC (3) PM/PM_{10} (3)	4.46 <0.01	
BPS-FUG05	Filler (BPS-B05F); Pasteurizer (BPS-B05P); Ink Coder (BPS-B05MC); Three Laser Coders (BPS-B05LC); Two Bottle Labelers (BPS-B05BL); Case Sealer (BPS-B05CS); and Glass Crusher (BPS-B05GC)	VOC (3) PM/PM_{10} (3)	4.27 <0.01	
BPS-FUG99	Keg Washer (BPS-K99W); Filler (BPS-K99F); and Two Video Jet Coders (BPS-K99VJ)	VOC (3)	0.61	
BPS-4	Sleeve Removal System (BPS-SRS)	PM/PM_{10} (3)	0.04	0.17
BPS-1	Filler (BPS-B06F) and Pasteurizer (BPS-B06P)	VOC	4.10	
BPS-FUG06	Three Video Jet Coders (BPS-B06VJ)	VOC (3)	0.38	

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	Emission Rates TPY (2)
BPS-FUG06	Three Ink Coders (BPS-B06MC)	VOC (3)	0.49	
BPS-FUG06	Five Laser Coders (BPS-B06LC)	PM/PM_{10} (3)	<0.01	
BPS-FUG06	Three Bottle Labelers (BPS-B06BL)	VOC (3)	0.21	
BPS-FUG06	Three Case Sealers (BPS-B06CS)	VOC (3)	0.06	
BPS-FUG06	Packers vented through Dust Collector (BPS-B06TDC)	PM/PM_{10}	0.04	0.17
BPS-FUG07	Filler (BPS-B07F)	VOC (3)	3.07	
BPS-FUG07	Pasteurizer (BPS-B07P)	VOC (3)	0.07	
BPS-FUG07	Ink Coder (BPS-B07MC)	VOC (3)	0.38	
BPS-FUG07	Four Laser Coders (BPS-B07LC)	PM/PM_{10} (3)	<0.01	
BPS-FUG07	Three Bottle Labelers (BPS-B07BL)	VOC (3)	0.16	
BPS-FUG07	Case Sealer (BPS-B07CS)	VOC (3)	0.04	
BPS-FUG08	Filler (BPS-B08F)	VOC (3)	3.07	
BPS-FUG08	Pasteurizer (BPS-B08P)	VOC (3)	0.07	
BPS-FUG08	Ink Coder (BPS-B08MC)	VOC (3)	0.38	
BPS-FUG08	Three Laser Coders (BPS-B08LC)	PM/PM_{10} (3)	<0.01	
BPS-FUG08	Three Bottle Labelers (BPS-B08BL)	VOC (3)	0.16	
BPS-FUG08	Case Sealer (BPS-B08CS)	VOC (3)	0.04	
BPS-FUG63	Filler No. 1 (BPS-C63F1)	VOC (3)	2.44	

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	Emission Rates TPY (2)
BPS-FUG63	Filler No. 2 (BPS-C63F2)	VOC (3)	2.44	
BPS-FUG63	Pasteurizer (BPS-C63P)	VOC (3)	0.12	
BPS-FUG63	Four Video Jet Coders (BPS-C63VJ)	VOC (3)	0.53	
BPS-FUG63	Two Ink Coders (BPS-C63MC)	VOC (3)	0.67	
BPS-FUG63	Laser Coder (BPS-C63LC)	PM/PM_{10} (3)	<0.01	
BPS-FUG63	Three Case Sealers (BPS-C63CS)	VOC (3)	0.08	
BPS-FUG64	Filler (BPS-C64F)	VOC (3)	4.15	
BPS-FUG64	Pasteurizer (BPS-C64P)	VOC (3)	0.11	
BPS-FUG64	Four Video Jet Coders (BPS-C64VJ)	VOC (3)	0.45	
BPS-FUG64	Ink Coder (BPS-C64MC)	VOC (3)	0.57	
BPS-FUG64	Two Laser Coders (BPS-C64LC)	PM/PM_{10} (3)	<0.01	
BPS-FUG64	Three Case Sealers (BPS-C64CS)	VOC (3)	0.07	
BPS-FUG64	Carton Salvage Baler (BPS-C64BCS)	PM/PM_{10} (3)	0.02	
BPS-FUG65	Filler (BPS-C65F)	VOC (3)	4.87	
BPS-FUG65	Pasteurizer (BPS-C65P)	VOC (3)	0.12	
BPS-FUG65	Four Video Jet Coders (BPS-C65VJ)	VOC (3)	0.53	
BPS-FUG65	Ink Coder (BPS-C65MC)	VOC (3)	0.67	

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	Emission Rates TPY (2)
BPS-FUG65	Case Sealer (BPS-C65CS)	VOC (3)	0.08	
BPS-2	Filler (BPS-C66F)	VOC	4.54	
BPS-2	Pasteurizer (BPS-C66P)	VOC	0.12	
BPS-FUG66	Four Video Jet Coders (BPS-C66VJ)	VOC (3)	0.49	
BPS-FUG66	Three Ink Coders (BPS-C66MC)	VOC (3)	0.63	
BPS-FUG66	Two Laser Coders (BPS-C66LC)	PM/PM_{10} (3)	<0.01	
BPS-FUG66	Five Case Sealers (BPS-C66CS)	VOC (3)	0.07	
BPS-FUG66	Carton Salvage Baler (BPS-C66BCS)	PM/PM_{10} (3)	0.01	

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	Emission Rates TPY (2)
BPS-FUG67	Filler (BPS-C67F)	VOC (3)	4.54	
BPS-FUG67	Pasteurizer (BPS-C67P)	VOC (3)	0.12	
BPS-FUG67	Four Video Jet Coders (BPS-C67VJ)	VOC (3)	0.57	
BPS-FUG67	Ink Coder (BPS-C67MC)	VOC (3)	0.72	
BPS-FUG67	Two Laser Coders (BPS-C67LC)	PM/PM_{10} (3)	<0.01	
BPS-FUG67	Case Sealer (BPS-C67CS)	VOC (3)	0.08	
BPS-FUG04, BPS-FUG05, BPS-1, BPS-FUG07, BPS-FUG08, BPS-FUG63, BPS-FUG64, BPS-FUG65, BPS-2, and BPS-FUG67	Fillers (BPS-B04F, BPS-B05F, BPS-B06F, BPS-B07F, BPS-B08F, BPS-C63F1, BPS-C63F2, BPS-C64F, BPS-C65F, BPS-C66F, and BPS-C67F)	VOC (3)		84.54
BPS-FUG04, BPS-FUG05, BPS-1, BPS-FUG07, BPS-FUG08, BPS-FUG63, BPS-FUG64, BPS-FUG65, BPS-2, and BPS-FUG67	Pasteurizers (BPS-B04P, BPS-B05P, BPS-B06P, BPS-B07P, BPS-B08P, BPS-C63P, BPS-C64P, BPS-C65P, BPS-C66P,and BPS-C67P)	VOC (3)	1.96	

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	Emission Rates TPY (2)
BPS-FUG04, BPS-FUG05, BPS-FUG06, BPS-FUG07, BPS-FUG08 BPS-FUG63, BPS-FUG64, BPS-FUG65, BPS-FUG66, and BPS-FUG67	Ink Coders (BPS-B04MC, BPS-B05MC, BPS-B06MC, BPS-B07MC, BPS-B08MC, BPS-C63MC, BPS-C64MC, BPS-C65MC, BPS-C66MC, and BPS-C67MC)	VOC (3)		11.95
BPS-FUG04, BPS-FUG05, BPS-FUG06, BPS-FUG07, BPS-FUG08 BPS-FUG63, BPS-FUG64, BPS-FUG66, and BPS-FUG67	Laser Coders (BPS-B04LC, BPS-B05LC, BPS-B06LC, BPS-B07LC, BPS-B08LC, BPS-C63LC, BPS-C64LC, BPS-C66LC, and BPS-C67LC)	PM/PM_{10} (3)		0.02
BPS-FUG99, BPS-FUG06, BPS-FUG63, BPS-FUG64, BPS-FUG65, BPS-FUG66, and BPS-FUG67	Video Jet Coders (BPS-K99VJ, BPS-B06VJ, BPS-C63VJ, BPS-C64VJ, BPS-C65VJ, BPS-C66VJ, and BPS-C67VJ)	VOC (3)		7.32
BPS-FUG04, BPS-FUG05, BPS-FUG06, BPS-FUG07, and BPS-FUG08	Bottle Labelers (BPS-B04BL, BPS-B05BL, BPS-B06BL, BPS-B07BL, and BPS-B08BL)	VOC (3)		2.04
BPS-FUG04, BPS-FUG05,	Case Sealers (BPS-B04CS, BPS-B05CS, BPS-B06CS,	VOC (3)		1.39

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	AIR CONTAMINANTS DATA Emission Rates lb/hr	TPY (2)
BPS-FUG06, BPS-FUG07, BPS-FUG08, BPS-FUG63, BPS-FUG64, BPS-FUG65, BPS-FUG66, and BPS-FUG67	BPS-B07CS, BPS-B08CS, BPS-C63CS, BPS-C64CS, BPS-C65CS, BPS-C66CS, and BPS-C67CS)			
BPS-FUG64, BPS-FUG66, RDOCK-1 and BLOCK-BCS	Carton Salvage Balers (BPS-C64BCS, BPS-C66BCS, RDOCK-BCS and BLOCK-BCS)	PM/PM_{10}		<0.01
BPS-FUG04, BPS-FUG05, RDOCK-FUG1 and RDOCK-FUG2	Glass/Can Crushers (BPS-B04GC, BPS-B05GC, RDOCK-GC and RDOCK-CC)	VOC (3)		3.00
	BREWERY SUPPORT OPERATIONS			
	UTILITIES			
	General			
GEN-NH_3	Refrigeration System (GEN-NH_3)	NH_3	0.72	3.20
	Building 7 (Powerhouse)			
PWR-1	Boiler No. 1 (PWR-B01)	VOC	0.44 (4)	1.90 (4)
		PM/PM_{10}	1.12 (4)	2.90 (4)
		NO_x	11.44 (4)	36.30 (4)
		CO	6.72 (4)	29.40 (4)
		SO_2	24.32 (4)	9.00 (4)
PWR-2	Boiler No. 2 (PWR-B02)	VOC	0.44 (4)	1.90 (4)
		PM/PM_{10}	1.12 (4)	2.90 (4)

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	Emission Rates TPY (2)
		NO_x	11.44 (4)	36.30 (4)
		CO	6.72 (4)	29.40 (4)
		SO_2	24.32 (4)	9.00 (4)
PWR-3	Boiler No. 3 (PWR-B03)	VOC	0.44 (4)	1.90 (4)
		PM/PM_{10}	1.12 (4)	2.90 (4)
		NO_x	11.44 (4)	36.30 (4)
		CO	6.72 (4)	29.40 (4)
		SO_2	24.32 (4)	9.00 (4)
PWR-4	Boiler No. 4 (PWR-B04)	VOC	0.55 (5)	2.40 (5)
		PM/PM_{10}	2.28 (5)	4.70 (5)
		NO_x	14.26 (5)	49.20 (5)
		CO	8.37 (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}	2.28 (5)	4.70 (5)
		NO_x	14.26 (5)	49.20 (5)
		CO	8.37 (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	14.26 (4)	49.20 (4)
		CO	8.37 (4)	36.70 (4)
		SO_2	30.31 (4)	39.80 (4)
		Near Building 9A		
TRACK-01	Trackmobile Diesel Storage Tank (TRACK-DST)	VOC	<0.01	<0.01
		RECYCLING		
		Between Building Nos. 4A and 6 (Recycle Dock)		

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	Emission Rates TPY (2)
RDOCK-FUG1	Glass Crusher (RDOCK-GC)	VOC (3)	0.59	
RDOCK-FUG2	Can Crusher (RDOCK-CC)	VOC (3)	0.87	
RDOCK-FUG3	Spent Chips Dumpster (RDOCK-SCD)	VOC (3)	0.01	
RDOCK-1	Carton Salvage Baler (RDOCK-BCS)	PM/PM_{10}	0.05	
		Blockhouse		
BLOCK-BCS	Carton Salvage Baler (BLOCK-BCS)	PM/PM_{10}	0.01	
		MAINTENANCE General		
BREW-FUG	Fumigation (BREW-FUG)	VOC (3)(6) PH_3 (3)	0.30 <0.01	1.29 0.01
PHOS-RC	Railcar Fumigation (PHOS-RC)	PH_3	0.02	0.08
		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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No.	Source Name and No. (FIN)	Air Contaminant Name (1)	AIR CONTAMINANTS DATA Emission Rates lb/hr	TPY (2)
		Building 7		
PWR-FUG	Parts Washer (PWR-PW)	VOC (3)	0.05	0.23
		Building 9		
PAINT-FUG2	Paint Booth (PAINT-PSB)	VOC	4.72	0.27
		PM/PM_{10}	<0.01	<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 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
		SAFETY Near Building 10		
FIRE-01	Fire Water Pump (Engine)	VOC	0.78	0.20

	(FIRE-WP)	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)
		H_2S	0.64	0.42
		NO_x	4.60	11.20 (7)
		SO_2	60.60	36.90 (7)
BERS-2	Biofilter (BERS-BIO)	H_2S (3)	1.50	2.24
BERS-3	Bio-Energy Recovery System Fugitives (BERS-FUG)	H_2S (3)	<0.01	0.01

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	Emission Rates TPY (2)

(1) PM - total particulate matter suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1(108).
NH_3 - ammonia
NO_x - oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
PH_3 - phosphine
H_2S - hydrogen sulfide
(2) Rate is for a rolling 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).