

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 8904, PSDTX447M1, and N012

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2) (FIN)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<b><u>BREWING OPERATIONS</u></b> <b><u>GRAIN HANDLING</u></b> <b>Buildings 2 (Old Side) and 62 (New Side)</b>				
GU-O1	Grain Unloading I (GH-GU1)	PM	0.40	0.95
		PM <sub>10</sub>	0.06	0.14
BHA-6	Malt Conveying I (GH-MALT1)	PM	0.18	0.62
		PM <sub>10</sub>	0.03	0.09
BHA-7	Rice Conveying I (GH-RICE1)	PM	0.14	0.33
		PM <sub>10</sub>	0.02	0.05
BHA-8	Mill Dust Collection I (GH-MDC1)	PM	0.57	2.33
		PM <sub>10</sub>	0.40	1.63
GU-N1	Grain Unloading II (GH-GU2)	PM	0.45	1.97
		PM <sub>10</sub>	0.07	0.30
GU-N2	Grain Bin Dust Collection II (GH-GBD2)	PM	0.45	1.97
		PM <sub>10</sub>	0.07	0.30
GH-N1	Malt Conveying IIA (GH-MALT2A)	PM	0.20	0.89
		PM <sub>10</sub>	0.03	0.13
GH-N2	Rice Conveying IIA (GH-RICE2A)	PM	0.09	0.39
		PM <sub>10</sub>	0.01	0.06
BHB-20	Malt Conveying IIB (GH-MALT2B)	PM	0.20	0.89
		PM <sub>10</sub>	0.03	0.13

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BHB-21	Rice Conveying IIB (GH-RICE2B)	PM	0.09	0.39
		PM <sub>10</sub>	0.01	0.06
BHB-22	Mill Dust Collection II (GH-MDC2)	PM	0.35	1.54
		PM <sub>10</sub>	0.25	1.08
BHB-24	Mill Dust Collection III (GH-MDC3)	PM	0.35	1.54
		PM <sub>10</sub>	0.25	1.08
GH-O1	Vacuum Cleaning I (GH-VC1)	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
BHA-9	Vacuum Cleaning II (GH-VC2)	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
GH-N5	Vacuum Cleaning III (GH-VC3)	PM (5)	<0.01	--
		PM <sub>10</sub> (5)	<0.01	--
BHB-23	Vacuum Cleaning IV (GH-VC4)	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
GH-N6	Vacuum Cleaning V (GH-VC5)	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
	Total Vacuum Cleaning Operations (5)	PM	--	<0.01
		PM <sub>10</sub>	--	<0.01
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	--
BHX-1	Mash Cooker No. 3 (BHX-MC3)	VOC	0.12	--
BHB-1	Mash Cooker No. 4 (BHB-MC4)	VOC	0.12	--

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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	--
	Total Mash Cooker Operations	VOC	--	1.86
BHA-3	Brew Kettle No. 1 (BHA-BK1)	VOC	1.12	--
BHX-4	Brew Kettle No. 2 (BHX-BK2)	VOC	1.12	--
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	--
	Total Brew Kettle Operations	VOC	--	11.03
BHA-4	Holding Kettle (BHA-HK)	VOC	0.40	0.79
BHA-5	Hops Strainer No. 1 (BHA-HS)	VOC	0.13	--
BHB-14	Hops Strainer No. 2 (BHB-HS)	VOC	0.13	--
	Total Hops Strainer Operations	VOC	--	0.51
BHX-2	Lauter Tub No. 1 (BHX-LT1)	VOC	0.54	--
BHX-3	Lauter Tub No. 2 (BHX-LT2)	VOC	0.54	--
BHB-6	Lauter Tub No. 3 (BHB-LT3)	VOC	0.54	--
BHB-7	Lauter Tub No. 4 (BHB-LT4)	VOC	0.54	--

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	Total Lauter Tub Operations	VOC	--	4.26
BHB-11	Hot Wort Receiver No. 1 (BHB-HWR1)	VOC	0.06	--
BHX-5	Hot Wort Receiver No. 2 (BHX-HWR2)	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	--
	Total Hot Wort Receiver Operations	VOC	--	0.51
BHX-6	Press Feed Tank No. 1 (BHX-PFT1)	VOC	0.01	--
BHX-7	Press Feed Tank No. 2 (BHX-PFT2)	VOC	0.01	--
	Total Press Feed Tank Operations	VOC	--	0.03
BHX-8	Truck Loadout Tank (BHX-TLT)	VOC	0.02	0.03
BHB-HVAC	Hot Trub Collection Tanks No. 1 (BHB-HTC1) and 3 (BHB-HTC3)	VOC	0.58	--
BHX-9	Hot Trub Collection Tank No. 2 (BHX-HTC2)	VOC	0.29	--
	Total Hot Trub Collection Tank Operations	VOC	--	1.71
BHB-15	Wort Aerator No. 1 (BHB-WA1)	VOC	0.93	--
BHB-16	Wort Aerator No. 2 (BHB-WA2)	VOC	0.93	--
BHB-25	Wort Aerator No. 3 (BHB-WA3)	VOC	0.93	--

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	Total Wort Aerator Operations	VOC	--	5.51
BHB-17	Press Effluent Tank (BHB-PET) and Lauter Tub Effluent Tank (BHB-LTET)	VOC	0.04	0.07
BHB-18	Centrifuge Effluent Tank (BHB-CET)	VOC	0.02	0.03
BHB-19	Centrifuge Feed Tank (BHB-CFT)	VOC	0.02	0.03
BHA-FUG	Two 50-Barrel Precoat Tanks (BHA-PCT), Two 50-Barrel Body Feed Tanks (BHA-BFT), and Carbon Filter Regenerators No. 1-10 (BHA-CFR)	PM/PM <sub>10</sub> (5)	<0.01	--
		VOC (5)	0.01	--
BHB-FUG	Two Spent Grain Presses (BHB-SGP) and Carbon Filter Regenerators No. 11-13 (BHB-CFR)	VOC (5)	0.02	--
	Total Precoat Tank, Body Feed Tank, Spent Grain Press, and Carbon Filter Regenerator Operations	PM/PM <sub>10</sub> (5)	--	0.02
		VOC (5)	--	0.07
STOCKHOUSES Buildings 4 (No. 1), 4A (No. 2), 4X (No. 3), 4AX (No. 4 and 5), 68 (No. 6), 64 (No. 7), 65 (No. 8), 44 (No. 9), 45 (No. 10), and Undesignated (No. 10A)				
SH1-1	Two 60-Barrel K-Filters (SH1-KF1 and SH1-KF2), Two 37-Barrel Schoene Beer Balance	VOC	0.02	<0.01

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	Tanks (SH1-SBB1), and Two 37-Barrel Filter Beer Balance Tanks (SH1-FBB1)			
SH1-2	Two 90-Barrel K-Filters (SH1-KF4 and SH1-KF5), Two 70-Barrel Schoene Beer Balance Tanks (SH1-SBB2), and Two 70-Barrel Filter Beer Balance Tanks (SH1-FBB2)	VOC	0.02	<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 Beer Tanks (SH1-LT3)	VOC	2.37	--
SH1-4	Three 610-Barrel Schoene Beer Tanks	VOC	1.43	--

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	(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 Lager Beer Tanks (SH1-LT7)			
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	--
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 Lager Beer Tanks (SH2-LT3), Twenty-one 1,220-Barrel Lager Beer Tanks (SH2-	VOC	2.23	--

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	LT4), Twenty-one 1,220-Barrel Lager Beer Tanks (SH2-LT5), and One 1,220-Barrel Lager Beer Tank (SH2-LT6)			
SH5-1	Six 1,240-Barrel Lager 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	--
SH8-1	Twenty 3,600-Barrel Lager Beer Tanks (SH8-LT1)	VOC	1.53	--
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	--
SH10-1	Eight 4,240-Barrel Unitanks (SH10-UT)	VOC	0.72	--
SH10A-1	Ten 4,800-Barrel Unitanks (SH10A-UT)	VOC	1.02	--



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	Total Schoene Beer Tank, Lager Beer Tank, and Unitank Operations	VOC	--	32.54
SH9-2	Carbon Dioxide Regeneration System (Deodorizer, Scrubber, and Trap) No. 1 (SH9-CO2)	VOC	0.95	--
SH1-5	Carbon Dioxide Regeneration System (Deodorizer, Scrubber, and Trap) No. 2 (SH1-CO2)	VOC	0.15	--
SH7-4	Carbon Dioxide Regeneration System (Deodorizer, Scrubber, and Trap) No. 3 (SH7-CO2)	VOC	1.16	--
	Total Carbon Dioxide Regeneration System Operations	VOC	--	4.46
DESILO-1	Celite or Perlite Storage Silo No. 1 (SH1-DES1)	PM/PM <sub>10</sub>	0.01	0.06
DESILO-2	Celite or Perlite Storage Silo No. 2 (SH1-DES2)	PM/PM <sub>10</sub>	0.01	0.06
SH2-1	ACP System (SH2-ACP)	PM/PM <sub>10</sub>	<0.01	<0.01
SH3-1	K-Filter No. 3 (SH3-KF3), One 110-Barrel	VOC	<0.01	<0.01

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	Schoene Beer Balance Tank (SH3-SBB), and One 90-Barrel Filter Beer Balance Tank (SH3-FBB)			
SH3-2	Celite or Perlite Sludge Disposal Rotary Filter (SH3-ROTF)	VOC	0.02	0.03
SH4-1	Three 2,365-Barrel Alpha Fermentation Tanks (SH4-AFT1) and One 2,344-Barrel Alpha Fermentation Tank (SH4-AFT2)	VOC	0.63	--
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	--
SH9-1	Twelve 4,240-Barrel Alpha Fermentation Tanks (SH9-AFT1), Four 2,120-Barrel Alpha Fermentation Tanks (SH9-AFT2), Alpha Drop Receivers No. 3 (SH9-ADR1) and 4 (SH9-ADR2)	VOC	5.08	--
	Total Alpha Fermentation Tank and Alpha Drop Receiver Operations	VOC	--	23.02
SH4-2	Spent Celite (D.E.) or	VOC	0.02	0.03

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	Perlite Tank (SH4-SCT)			
SH6-HVAC	Spent Yeast Collection Tank No. 1 (SH6-SYC1), Schoene Sludge Collection Tank No. 1 (SH6-SSC1), Twelve 690-Barrel Cold Wort Settling 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 Decant Tanks (SH6-SDT), Seven 500-Barrel Filtered Beer Tanks (SH6-FBT1), and Seven 1,600-Barrel Filtered Beer Tanks (SH6-FBT2)	VOC	1.27	--
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-	VOC	2.80	--

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	FBT7), Eight 1,600-Barrel Filtered Beer Tanks (SH6-FBT8), and Six 2,000-Barrel Filtered Beer Tanks (SH6-FBT9)			
	Total Filtered Beer Tank and Schoene Decant Tank Operations	VOC	--	9.39
SH8-HVAC	Two 1,500-Barrel Kraeusen Holding Tanks (SH8-KHT)	VOC	0.01	0.02
SH8-5	Six Chip Washers (SH8-CW)	VOC	1.80	--
SH1-FUG	Seven 510-Barrel Clear Beer Tanks (SH1-CBT), Five 510-Barrel Blowback Beer Tanks (SH1-BBT), Schoene Beer Receivers No. 1-3 (SH1-SR1, SH1-SR2, and SH1-SR3),	PM/PM <sub>10</sub> (5)	0.01	--
	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 (5)	2.56	--

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	Total Chip Washer, Schoene Beer Receiver, Clear Beer Tank, Blowback Beer Tank, Tannin Concentrate Tank, Tannin Mix Tank, and Tannin Supply Tank Operations	PM/PM <sub>10</sub> (5)	--	0.02
		VOC (5)	--	8.46
SH3-FUG	Spent Celite (D.E.) or Perlite Dumpster (SH3-SCD)	VOC (5)	0.02	0.03
SH8-FUG	Spent Chips Dumpster (SH8-SCD)	VOC (5)	0.01	--
RDOCK-FUG3	Spent Chips Dumpster (RDOCK-SCD)	VOC (5)	0.01	--
	Total Spent Chips Dumpster Operations	VOC (5)	--	0.03
<b>PACKAGING</b> <b>Buildings 5, 6, and 66 (Bottle Lines 04, 05, 06, 07, and 08; Keg Line 99; Can Lines 63, 64, 65, 66, and 67); Recycle Dock; and Blockhouse</b>				
BPS-1	Filler (BPS-B06F) and Pasteurizer (BPS-B06P)	VOC	4.10	--
BPS-2	Filler (BPS-C66F) and Pasteurizer (BPS-C66P)	VOC	4.66	--
BPS-FUG04	Filler (BPS-B04F), Pasteurizer (BPS-B04P), Three Laser Coders (BPS-B04LC), and Glass Crusher (BPS-B04GC)	PM/PM <sub>10</sub> (5)	<0.01	--
		VOC (5)	3.69	--

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BPS-FUG05	Filler (BPS-B05F), Pasteurizer (BPS-B05P), Three Laser Coders (BPS-B05LC), and Glass Crusher (BPS-B05GC)	PM/PM <sub>10</sub> (5)	<0.01	--
		VOC (5)	3.70	--
BPS-FUG06	Five Laser Coders (BPS-B06LC) and Packers Dust Collector (BPS-B06TDC)	PM/PM <sub>10</sub> (5)	0.04	--
BPS-FUG07	Filler (BPS-B07F), Pasteurizer (BPS-B07P), and Four Laser Coders (BPS-B07LC)	PM/PM <sub>10</sub> (5)	<0.01	--
		VOC (5)	3.13	--
BPS-FUG08	Filler (BPS-B08F), Pasteurizer (BPS-B08P), and Three Laser Coders (BPS-B08LC)	PM/PM <sub>10</sub> (5)	<0.01	--
		VOC (5)	3.13	--
BPS-FUG63	Filler No. 1 (BPS-C63F1), Filler No. 2 (BPS-C63F2), Pasteurizer (BPS-C63P), and Laser Coder (BPS-C63LC)	PM/PM <sub>10</sub> (5)	<0.01	--
		VOC (5)	5.00	--
BPS-FUG64	Filler (BPS-C64F), Pasteurizer (BPS-C64P), two Laser Coders (BPS-C64LC), and Carton Salvage Baler (BPS-C64BCS)	PM/PM <sub>10</sub> (5)	0.02	--
		VOC (5)	4.25	--
BPS-FUG65	Filler (BPS-C65F) and Pasteurizer (BPS-C65P)	VOC (5)	5.00	--
BPS-FUG66	Two Laser Coders (BPS-C66LC) and	PM/PM <sub>10</sub> (5)	0.01	--

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	Carton Salvage Baler (BPS-C66BCS)			
BPS-FUG67	Filler (BPS-C67F), Pasteurizer (BPS-C67P), and Two Laser Coders (BPS-C67LC)	PM/PM <sub>10</sub> (5)	<0.01	--
		VOC (5)	4.65	--
BPS-FUG99	Keg Washer (BPS-K99W) and Keg Filler (BPS-K99F)	VOC (5)	0.21	--
RDOCK-1	Carton Salvage Baler (RDOCK-BCS)	PM/PM <sub>10</sub>	0.05	--
RDOCK-FUG1	Glass Crusher (RDOCK-GC)	VOC (5)	0.59	--
RDOCK-FUG2	Can Crusher (RDOCK-CC)	VOC (5)	0.87	--
BLOCK-BCS	Carton Salvage Baler (BLOCK-BCS)	PM/PM <sub>10</sub>	0.01	--
	Total Filler, Pasteurizer, Laser Coder, Carton Salvage Baler, Glass/Can Crusher, Keg Filler, Keg Washer, and Packers Dust Collector Operations	PM/PM <sub>10</sub> (5)	--	0.59
		VOC (5)	--	89.76
BPS-4	Sleeve Removal System (BPS-SRS)	PM/PM <sub>10</sub> (5)	0.04	0.17
BPS-FUG04, BPS-FUG05, BPS-FUG06, BPS-FUG07, BPS-FUG08, BPS-FUG63, BPS-FUG64, BPS-FUG65, BPS-FUG66, BPS-FUG67, and	15 Ink Coders (BPS-B04MC thru B08MC and BPS-C63MC thru C67MC), 25 Videojet Coders (BPS-B06VJ, BPS-K99VJ, and BPS-C63VJ thru C67VJ),	VOC (5)	10.21	12.81

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BPS-FUG68	13 Bottle Labelers (BPS-B04BL thru B08BL), and 22 Case Sealers (BPS-B04CS thru B08CS and BPS-C63CS thru C67CS)			
<b>BREWERY SUPPORT OPERATIONS</b> <b>UTILITIES</b> <b>General</b>				
GEN-NH <sub>3</sub>	Refrigeration System (GEN-NH <sub>3</sub> )	NH <sub>3</sub>	0.72	3.20
<b>Building 7 (Powerhouse)</b>				
PWR-1	Boiler No. 1 (PWR-B01)	PM/PM <sub>10</sub>	1.12 (6)	2.90 (6)
		SO <sub>2</sub>	24.32 (6)	9.00 (6)
		NO <sub>x</sub>	11.44 (6)	36.30 (6)
		CO	6.72 (6)	29.40 (6)
		VOC	0.44 (6)	1.90 (6)
PWR-2	Boiler No. 2 (PWR-BO2)	PM/PM <sub>10</sub>	1.12 (6)	2.90 (6)
		SO <sub>2</sub>	24.32 (6)	9.00 (6)
		NO <sub>x</sub>	11.44 (6)	36.30 (6)
		CO	6.72 (6)	29.40 (6)
		VOC	0.44 (6)	1.90 (6)
PWR-3	Boiler No. 3 (PWR-B03)	PM/PM <sub>10</sub>	1.12 (7)	2.90 (7)
		SO <sub>2</sub>	24.32 (7)	9.00 (7)
		NO <sub>x</sub>	2.96 (7)	12.96 (7)
		CO	6.72 (7)	29.40 (7)
		VOC	0.44 (7)	1.90 (7)



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		SiO <sub>2</sub>	0.62	2.73
		HF	0.58	--
		HCl	0.69	--
PWR-4	Boiler No. 4 (PWR-B04)	PM/PM <sub>10</sub>	2.28 (8)	4.70 (8)
		SO <sub>2</sub>	49.10 (8)	76.60 (8)
		NO <sub>x</sub>	3.69 (8)	16.16 (8)
		CO	8.37 (8)	36.70 (8)
		VOC	0.55 (8)	2.40 (8)
		SiO <sub>2</sub>	0.78	3.41
		HF	0.72	--
		HCl	0.87	--
PWR-5	Boiler No. 5 (PWR-B05)	PM/PM <sub>10</sub>	2.28 (8)	4.70 (8)
		SO <sub>2</sub>	49.10 (8)	76.60 (8)
		NO <sub>x</sub>	3.69 (8)	16.16 (8)
		CO	8.37 (8)	36.70 (8)
		VOC	0.55 (8)	2.40 (8)
		SiO <sub>2</sub>	0.78	3.41
		HF	0.72	--
		HCl	0.87	--
PWR-6	Boiler No. 6 (PWR-B06)	PM/PM <sub>10</sub>	1.40 (7)	4.10 (7)
		SO <sub>2</sub>	30.31 (7)	39.80 (7)
		NO <sub>x</sub>	3.69 (7)	16.16 (7)
		CO	8.37 (7)	36.70 (7)

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		VOC	0.55 (7)	2.40 (7)
		SiO <sub>2</sub>	0.78	3.41
		HF	0.72	--
		HCl	0.87	--
	Total Operations for Boilers No. 3-6	SiO <sub>2</sub>	--	5.13
		HF	--	4.76
		HCl	--	5.70
Near Building 9A				
TRACK-01	Trackmobile Diesel Storage Tank (TRACK-DST)	VOC	<0.01	<0.01
MAINTENANCE General				
BREW-FUG	Fumigation (BREW-FUG)	VOC (5) (9)	0.30	1.29
		PH <sub>3</sub> (5)	<0.01	0.01
PHOS-RC	Railcar Fumigation (PHOS-RC)	PH <sub>3</sub>	0.02	0.08
Building 6				
BPS-FUGPW1	5-Gallon Parts Washer No. 1 (BPS-PW1)	VOC (5)	0.05	0.02
BPS-FUGPW2	5-Gallon Parts Washer No. 2 (BPS-PW2)	VOC (5)	0.05	0.02
BPS-FUGPW3	17-Gallon Parts Washer (BPS-PW3)	VOC (5)	0.05	0.06
Building 7				
PWR-FUG	Parts Washer (PWR-PW)	VOC (5)	0.05	0.23
Building 9				

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PAINT-FUG2	Paint Booth (PAINT-PSB)	PM/PM <sub>10</sub> (5)	<0.01	<0.01
		VOC (5)	4.72	0.27
PAINT-FUG3	Paint Still (PAINT-STL)	VOC (5)	<0.01	0.02
<b>Near Building 10</b>				
YARD-01	Carpenter Shop (YARD-CSDC)	PM/PM <sub>10</sub>	0.77	0.80
<b>Building 66</b>				
FORK-FUG	Parts Washer (FORK-PW)	VOC (5)	0.05	0.23
<b>Building 77</b>				
BRM-FUG	67-Gallon Parts Washer (BRM-PW)	VOC (5)	0.05	0.23
<b>SAFETY Near Building 10</b>				
FIRE-01	Fire Water Pump (Engine) (FIRE- WP)	PM/PM <sub>10</sub>	0.68	0.17
		SO <sub>2</sub>	0.64	0.16
		NO <sub>x</sub>	9.61	2.40
		CO	2.07	0.52
		VOC	0.78	0.20
FIRE-02	Fire Water Pump Diesel Storage Tank (FIRE-DST)	VOC	<0.01	<0.01
<b>WASTE TREATMENT</b>				
WWT-FUG	Wastewater Collection Fugitives (WWT-WCF)	VOC (5)	0.33	1.43

### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

WWT-FUG1	Wastewater Station No. 1 (WWT-WS1)	VOC (5)	0.02	0.07
WWT-FUG2	Wastewater Collection Pit (WWT-WCP)	VOC (5)	0.02	0.11
BERS-1	Flare (BERS-FL)	SO <sub>2</sub>	60.60	36.90 (10)
		NO <sub>x</sub>	4.60	11.20 (10)
		CO	39.60	96.30 (10)
		H <sub>2</sub> S	0.64	0.42
BERS-2	Biofilter (BERS-BIO)	H <sub>2</sub> S (5)	1.50	2.24
BERS-3	Bio-Energy Recovery System Fugitives (BERS-FUG)	H <sub>2</sub> S (5)	<0.01	0.01

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NH<sub>3</sub> - ammonia
  - SiO<sub>2</sub> - silica dioxide
  - HF - hydrogen fluoride
  - HCl - hydrogen chloride
  - PH<sub>3</sub> - phosphine
  - H<sub>2</sub>S - hydrogen sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Worst-case emission rate when burning natural gas or natural gas and fuel oil.
- (7) Worst-case emission rate when burning any combination of natural gas, natural gas and fuel oil, and landfill gas.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (8) Worst-case emission rate when burning any combination of natural gas, fuel oil, landfill gas, and bio-gas (no bio-gas to flare).
- (9) Methyl bromide emissions.
- (10) Emission rate when burning full capacity of bio-gas (when bio-gas fuels the boilers, there are no emissions from the flare).

Dated March 8, 2011