

Emission Sources - Maximum Allowable Emission Rates

Permit Number 104092

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)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
B62CT301	CT-301 Cooling Tower (5)	VOC	0.46	1.64
		PM	0.41	1.16
		PM ₁₀	0.09	0.44
		PM _{2.5}	< 0.01	< 0.01
B62SV201	SC-201/202 Epoxy 2 PM Scrubber Vent	VOC	0.18	0.88
		PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
B62CB1	CB1 Pressure Swing Adsorber (PSA)	VOC	0.06	0.28
		HRVOC	0.01	0.01
B62CB1-M	PSA Maintenance	VOC	0.04	0.01
B62LR3	Tank Truck Loading Rack	VOC	0.01	0.02
		Acetone	0.01	0.02
B62ST299	D-299 Tank Vent	VOC	0.04	0.02
		Acetone	0.13	0.09
Fugitive Emissions Source Group				
B62FU1	Process Area Fugitives (5)	VOC	1.71	-
		Acetone	0.30	-
		Refrigerant	0.60	-
B62FU2	Tank Farm Fugitives (5)	VOC	0.76	-
		Acetone	< 0.01	-
B62FU3	Loading Area Fugitives (5)	VOC	0.45	-
Fugitive Emissions Source Group Cap (5)		VOC	-	12.78
		Acetone	-	1.32

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		Refrigerant	-	0.42
Absorption Emissions Source Group				
B62SV203	SC-203 Scrubber Vent	VOC	0.04	-
B62SV157	SC-157 Scrubber Vent	VOC	0.14	-
		Acetone	0.79	-
Absorption Emissions Source Group Cap		VOC	-	0.73
		Acetone	-	3.42
B62SV203-M	SC-203 Scrubber Vent Maintenance	VOC	0.07	0.01
B62SV157-M	SC-157 Scrubber Vent Maintenance	VOC	0.59	0.14
		Acetone	5.55	0.35
Particulate Emissions Source Group				
B62SB2A	H-302A Baghouse Vent	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-
B62SB2B	H-302B Baghouse Vent	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-
B62SB3A	H-303A Baghouse Vent	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-
B62SB3B	H-303B Baghouse Vent	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-
B62SB3C	H-303C Baghouse Vent	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-
B62SB3D	H-303D Baghouse Vent	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-

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B62SB700	SB700 Vents	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-
B62BF6	DC-730 Baghouse Vent	PM	< 0.01	-
		PM ₁₀	< 0.01	-
		PM _{2.5}	< 0.01	-
PM Emissions Source Group Cap		PM	-	0.09
		PM ₁₀	-	0.09
		PM _{2.5}	-	0.09
Maintenance, Startup, and Shutdown (MSS)				
B62MSS1	MSS Activities	VOC	3.47	0.40
		Acetone	0.50	0.03
		PM	5.89	0.03
		PM10	2.79	0.01
		PM2.5	0.88	0.01
B62MSSLE	Attachment A – Low Emission Activities	VOC	4.26	0.04
		Acetone	0.03	0.01
B26MSSFU1	Attachment B – Fugitive MSS Activities	VOC	1.22	0.01
		Acetone	7.60	0.02

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- (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)

VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
HRVOC	- highly reactive volatile organic compounds as defined in 30 TAC § 115.10
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented
PM _{2.5}	- particulate matter equal to or less than 2.5 microns in diameter
Acetone	- acetone
Refrigerant	- refrigerant R-123
- (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.

Date: April 18, 2022