

Emission Sources - Maximum Allowable Emission Rates

Permit Number 119089

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)
B93H6510	Furnace F-6510 Routine Operations	CO	6.00	—
		NO _x	2.49	—
		PM	0.54	—
		PM ₁₀	0.54	—
		PM _{2.5}	0.54	—
		SO ₂	1.02	—
		VOC (6)	0.51	—
B93H6510	Furnace F-6510 Receiving Recycle Stream	CO	6.00	
		NO _x	2.49	
		PM	0.54	
		PM ₁₀	0.54	
		PM _{2.5}	0.54	
		SO ₂	1.02	
		VOC (6)	6.57	—
		Ethylene	4.67	—

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B93H6510	Furnace F-6510 Annual Emission Rate Cap	CO	—	26.77
		NO _x	—	11.35
		PM	—	2.42
		PM ₁₀	—	2.42
		PM _{2.5}	—	2.42
		SO ₂	—	0.18
		VOC (6)	—	7.02
		Ethylene	—	3.64
B93F1 (8)	Flare FS-5081 Routine Operations	CO	96.60	—
		NO _x	11.27	—
		SO ₂	4.84	—
		VOC (6)	71.03	—
		Ethylene	21.24	—
		Propylene	0.32	—
B93F1	Flare FS-5081 Receiving Recycle Stream (8)	CO	141.63	—
		NO _x	33.78	—
		SO ₂	4.84	—
		VOC (6)	109.70	—
		Ethylene	48.67	—
		Propylene	0.32	—

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B93F1	Flare FS-5081 Annual Emission Rate Cap for Routine and Alternate Operating Scenario (8)	CO		51.30
		NO _x		7.02
		SO ₂		0.09
		VOC (6)		12.94
		Ethylene		4.63
		Propylene		0.08
B93F1MSS	Flare FS-5081 MSS (8)	CO	196.46	8.54
		NO _x	34.04	1.02
		SO ₂	2.15	0.01
		VOC (6)	181.14	2.11
		Ethylene	139.29	1.69
		Propylene	19.90	0.20
B93FU3 (5)	Process Area and Support Area Fugitive Emissions	VOC (6)	1.46	6.38
		Ethylene	0.48	2.09
		Propylene	0.32	1.39
B93BH6410	Masterbatch Unloading Vent Filter	PM	0.08	0.16
		PM ₁₀	0.08	0.16
		PM _{2.5}	0.08	0.16
B93BH6941	Packaging and Railcar Loading Talc System Filters	PM	0.02	0.01
		PM ₁₀	0.02	0.01
		PM _{2.5}	0.02	0.01
B93BH6992	Housekeeping Vacuum Vent Filter - Packaging System	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
B93BH6993	Housekeeping Vacuum Vent Filter - Railcar System	PM	0.01	0.01

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		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
B93FL6923, B93FL6951A, B93FL6951B, B93FL6952A, B93FL6952B (9)	Packaging Break Pot Vents	VOC (6)	(7)	—
		PM	<0.01	—
		PM ₁₀	<0.01	—
		PM _{2.5}	<0.01	—
B93BH6980 (9)	Packaging Dust Collection System Filter	VOC (6)	(7)	—
		PM	0.19	—
		PM ₁₀	0.19	—
		PM _{2.5}	0.19	—
B83FL6965, B83FL6966 (9)	Railcar Loading Break Pot Vents	VOC (6)	(7)	—
		PM	0.04	—
		PM ₁₀	0.04	—
		PM _{2.5}	0.04	—
B93BH6990 (9) (10)	Railcar Vent Filter System	VOC (6)	(7)	—
		PM	0.46	—
		PM ₁₀	0.46	—
		PM _{2.5}	0.46	—
B93FL6923, B93FL6951A, B93FL6951B, B93FL6952A, B93FL6952B, B93BH6980, B83FL6965, B83FL6966, B93BH6990	Product Material Handling Emission Cap	VOC (6)	7.32	9.65
		PM	—	3.00
		PM ₁₀	—	3.00
		PM _{2.5}	—	3.00
B93LR1	Loading Rack	VOC (6)	0.09	0.01
B93SD6511	Spin Dryer	VOC (6)	6.89	16.89
B93MEFU3 & B93MEFU2	Opening Equipment for MSS	Ethylene	50.08	0.07

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		Propylene	50.00	0.08
		VOC (6)	113.39	0.19
B93MEAFU3 & B93MEAFU2	MSS Attachment A Activities	Ethylene	0.11	0.01
		Propylene	0.07	0.01
		VOC (6)	2.72	0.10
		Acetone	0.40	0.02
		PM	0.15	0.01
		PM ₁₀	0.15	0.01
		PM _{2.5}	0.15	0.01
B93MEEP510	MSS Furnace Ethylene Purge	Ethylene	0.02	0.31

- (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
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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
- CO - carbon monoxide
- (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) VOC emission rate limits include ethylene and/or propylene emission rates.
- (7) VOC emissions are included in product material handling emission cap.
- (8) For Flare FS-5081, Routine Operations and MSS Ethylene Purge may not occur simultaneously.
- (9) Packaging EPNs B93FL6923, B93FL6951A, B93FL6951B, B93FL6952A, B93FL6952B, and B93BH6980 may not operate while Railcar EPNs B83FL6965, B83FL6966, and B93BH6990 are operating.
- (10) A maximum of two rail cars may be loaded with pellets within the same hour.

Date: December 14, 2022