

Emission Sources - Maximum Allowable Emission Rates

Permit Number 7565B

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)
104	Boiler No. 2A	CO	1.03	4.51
		NO _x	1.77	5.56
		PM	0.29	0.48
		SO ₂	8.79	3.19
		VOC	0.07	0.30
105	Boiler 2B (6) (7)	CO	1.03	4.51
		NO _x	1.77	5.58
		PM	0.29	0.47
		PM ₁₀	0.29	0.47
		PM _{2.5}	0.29	0.47
		SO ₂	8.79	3.2
		VOC	0.07	0.3
		HAPs	0.02	0.1
107	Furnace No. 3	CO	2.86	11.78
		NO _x	3.85	15.87
		PM	5.37	23.52
		PM ₁₀	3.33	14.58
		SO ₂	0.49	2.00
		VOC	0.19	0.77
171	Evaporator	PM	0.10	0.10
		PM ₁₀	0.10	0.10
178	Penta Handling and Loadout Scrubber	PM	0.40	1.21
		PM ₁₀	0.40	1.21
124	Anhydrous Air Heater (8)	CO	2.01	7.04

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		NO _x	3.80	13.30
		PM ₁₀	0.18	0.63
		SO ₂	0.02	0.07
		VOC	0.13	0.46
126	Anhydrous Scrubber (8)	PM ₁₀	16.52	57.82
200	Anhydrous Building Fugitives (5)	PM ₁₀	0.37	0.67
137	Penta Meta Plant No.1 Scrubber	PM ₁₀	0.28	1.23
170	Evaporator No. 1	PM ₁₀	0.14	0.61
123	Evaporator No. 2	PM ₁₀	0.14	0.61
169	Evaporator No. 3	PM ₁₀	0.14	0.61
210a	Sand Unloading	PM	0.09	0.04
		PM ₁₀	0.04	0.02
210b	Soda Ash Unloading	PM	0.09	0.02
		PM ₁₀	0.04	0.01
101/102	Raw Material Silos	PM ₁₀	0.10	0.13
180	Raw Material Handling	PM ₁₀	0.17	0.74

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - 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
 - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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) The annual emission rate may include up to 720 hours per year of firing No. 2 diesel fuel.
- (7) Planned maintenance, startup and shutdown (MSS) lb/hour emissions for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS, that pollutant's maximum hourly emission rate shall apply during that clock hour.

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- (8) Hours of operation are limited to 7,000 hours per year for EPNs 124 and 126. All other sources have a maximum operating schedule of 8,760 hours per year.

Date: February 11, 2022