

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1556

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 (6)	
			lbs/hour	TPY (4)
1	Hogger Throat (5)	PM	1.9	1.84
		PM ₁₀	1.1	1.05
2	Fresh Chip Storage Building (5)	PM	0.147	0.184
		PM ₁₀	0.071	0.092
5	Conveyor Transfer Point No. 2 (5)	PM	0.042	0.061
		PM ₁₀	0.02	0.031
8	Hammermill Cyclone (5)	PM ₁₀	1.71	2.47
9	Hammermill Storage Bin Fabric Filter Vent	PM ₁₀	0.68	0.88
10	8 Vessels Load-in (5)	PM	0.62	1.44
		PM ₁₀	0.35	0.82
11A**	Cooking Vat Loadout Vent Stack (Dryer Off)	PM	0.25	0.58
		PM ₁₀	0.14	0.33
11B**	Cooking Vat Loadout Vent Stack (Dryer On)	PM	7.81	19.98
		PM ₁₀	7.03	18.14
		SO ₂	0.19	0.24
		NO _x	0.86	1.23
		CO	32.74	21.38
		VOC	1.76	0.59
12	Overflow Hopper (Building) (5)	PM	0.004	0.01
		PM ₁₀	0.002	0.005
13A	Hopper to Emission Point No. 9 by Front-end loader (5)	PM	1.6	0.023
		PM ₁₀	0.09	0.013
15	Bin Dump/Truck Loading (5)	PM	2.0	2.63
		PM ₁₀	1.1	1.5

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17A**	Boiler Nos. 6, 7, and 8 (Dryer Off)	PM	13.5	34.65
		PM ₁₀	12.3	31.8
		SO ₂	0.33	0.42
		NO _x	1.53	2.19
		CO	58.5	38.18
		VOC	3.15	1.05
17B**	Boiler Nos. 6, 7, and 8 (Dryer On)	PM	5.94	15.25
		PM ₁₀	5.41	13.99
		SO ₂	0.15	0.18
		NO _x	0.67	0.96
		CO	25.74	16.80
		VOC	1.39	0.46
18	Boiler No. 9	PM ₁₀	0.35	1.55
		SO ₂	0.40	1.74
		NO _x	2.64	11.61
		CO	0.66	2.91
		VOC	0.08	0.37
CSP	Cedar Chip Stockpile (5)	PM	--	2.44
		PM ₁₀	--	1.22

- (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
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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

** During operations when the dryer is on, up to 56 percent of the flue gas from Boiler Nos. 6, 7, and 8 is redirected through the dryer and vented to EPN 11B, along with emissions from the dryer and the unloading enclosure emissions. This is the worst-case scenario because emissions are slightly higher due to the dryer operation.

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Either 11A and 17A or 11B and 17B can be operated together. Only emissions from 11B and 17B should be counted to avoid double counting.

Date: June 11, 2013