

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20821

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, 2, 3, 4, 5, 6, 10, 11, 12, 23, 25, and 26	A Press	VOC	3.20	9.60
7, 8, 9, 13, 14, 15, 20, 21, 22, and 24	B Press	VOC	3.20	9.60
28	Cementer 1	VOC	25.00	45.00
29	Cementer 2	VOC	25.00	45.00
30	Cementer 3	VOC	25.00	45.00
31	Drop Mill	VOC	1.47	6.40
33	A Extruder	VOC	0.08	0.35
34	A Blend	VOC	0.73	3.20
35	A Extruder Mill	VOC	0.73	3.20
36	B Extruder Mill	VOC	0.73	3.20
37	B Blend	VOC	0.73	2.30
38	B Extruder	VOC	0.08	0.35
41	Mixer	VOC	0.16	0.67
43	Boiler (Natural Gas)	NO _x	1.75	7.67
		SO ₂	0.01	0.03
		VOC	0.07	0.32
		CO	0.04	1.9
		PM	0.18	0.77

43	Boiler (No. 2 Fuel Oil/ 2,160 hours)	NO _x	1.44	1.46
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		SO ₂	3.07	3.32
		VOC	0.02	0.01
		CO	0.36	0.39
		PM	0.14	0.16
44	Buffer 1	PM	0.20	0.87
45	Buffer 2	PM	0.20	0.87
46	Buffer 3	PM	0.20	0.87
48	Fuel Oil Tank	VOC (5)	50.00	0.05
49	Heptane Tank	VOC (5)	44.00	0.40
50, 51, 52, and 53	Cement House	VOC (5)	3.60	10.40

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point 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) Fugitive emissions.
- (6) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: July 9, 2013