Emission Sources - Maximum Allowable Emission Rates

Permit Number 171297

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)
MatHanA	Material Handling - Plant A (EPNs 1A-12A) (5)	PM	0.95	1.00
		PM_{10}	0.32	0.33
		$PM_{2.5}$	0.04	0.04
13A	Silo #1	PM	0.05	0.02
		PM_{10}	0.05	0.02
		$PM_{2.5}$	0.05	0.02
14A	Silo #2	PM	0.05	0.02
		PM_{10}	0.05	0.02
		$PM_{2.5}$	0.05	0.02
15A	Dryer Stack	PM	8.35	8.35
		PM_{10}	5.83	5.83
		$PM_{2.5}$	5.58	5.58
		VOC	8.00	8.00
		NO_x	13.75	13.75
		SO_2	14.50	14.50
		CO	32.50	32.50
16A	Silo Filling (5)	PM	0.15	0.15
		PM_{10}	0.15	0.15
		$PM_{2.5}$	0.15	0.15
		VOC	3.05	3.05
		CO	0.29	0.29
17A	Truck Loadout (5)	PM	0.13	0.13
		PM_{10}	0.13	0.13
		$PM_{2.5}$	0.13	0.13
		VOC	0.98	0.98
		CO	0.34	0.34
	Hot Oil Heater	PM	0.04	0.08

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		PM_{10}	0.03	0.06
		$PM_{2.5}$	0.02	0.05
		VOC	0.02	0.04
		NO_x	0.22	0.48
		SO_2	0.02	0.05
		CO	0.01	0.03
STK	Stockpiles (5)	PM	--	2.20
		PM_{10}	--	1.10
		$PM_{2.5}$	--	0.17
MatHanB	Material Handling - Plant B (EPNs 1B-12B) (5)	PM	1.53	1.00
		PM_{10}	0.51	0.33
		$PM_{2.5}$	0.06	0.04
13B	Silo #3	PM	0.05	0.02
		PM_{10}	0.05	0.02
		$PM_{2.5}$	0.05	0.02
14B	Silo #4	PM	0.05	0.02
		PM_{10}	0.05	0.02
		$PM_{2.5}$	0.05	0.02
15B	Dryer Stack	PM	13.36	8.35
		PM_{10}	9.32	5.83
		$PM_{2.5}$	8.92	5.58
		VOC	12.80	8.00
		NO_x	22.00	13.75
		SO_2	23.20	14.50
		CO	52.00	32.50
16B	Silo Filling (5)	PM	0.23	0.15
		PM_{10}	0.23	0.15
		$PM_{2.5}$	0.23	0.15
		VOC	4.87	3.05

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		CO	0.47	0.29
17B	Truck Loadout (5)	PM	0.21	0.13
		PM_{10}	0.21	0.13
		$PM_{2.5}$	0.21	0.13
		VOC	1.56	0.98
		CO	0.54	0.34
18B	Hot Oil Heater	PM	0.04	0.08
		PM_{10}	0.03	0.06
		$PM_{2.5}$	0.02	0.05
		VOC	0.02	0.04
		NO_x	0.22	0.48
		SO_2	0.02	0.05
		CO	0.01	0.03

(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
SO_2 - sulfur dioxide
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
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.

Date: July 7, 2023