

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 1913

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 (5)	
			lbs/hour	TPY (4)
1a	Truck Receiving Pit Nos. 1 and 2	PM	1.19	1.92
		PM <sub>10</sub>	0.18	0.28
		PM <sub>2.5</sub>	0.09	0.15
1b	Railcar Receiving Pit Nos. 1 and 2	PM	1.19	1.92
		PM <sub>10</sub>	0.18	0.28
		PM <sub>2.5</sub>	0.09	0.15
2	Truck Receiving Pit No. 3	PM	1.22	1.92
		PM <sub>10</sub>	0.18	0.28
		PM <sub>2.5</sub>	0.09	0.15
3	Truck Receiving Pit No. 4	PM	1.02	1.92
		PM <sub>10</sub>	0.15	0.28
		PM <sub>2.5</sub>	0.08	0.15
4	Truck Receiving Pit No. 5	PM	1.19	1.92
		PM <sub>10</sub>	0.18	0.28
		PM <sub>2.5</sub>	0.09	0.15
23	Railcar Receiving Pit No. 6	PM	1.02	1.92
		PM <sub>10</sub>	0.15	0.28
		PM <sub>2.5</sub>	0.08	0.15
	Total Receiving Operations (EPNs 1a, 1b, 2, 3, 4, and 23)	PM	--	1.92
		PM <sub>10</sub>	--	0.28
		PM <sub>2.5</sub>	--	0.15
21	Commodity Warehouse Receiving/Loadout	PM	10.75	14.55
		PM <sub>10</sub>	3.63	4.91
		PM <sub>2.5</sub>	0.61	0.83
5	Hammermill Bagfilter Stack	PM	0.36	1.35
		PM <sub>10</sub>	0.36	1.35
		PM <sub>2.5</sub>	0.36	1.35

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6	Two Grain Cleaner Cyclones Stack	PM	1.86	6.98
		PM <sub>10</sub>	0.47	1.77
		PM <sub>2.5</sub>	0.47	1.77
7	Pellet Cooler Cyclone Stack	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
8	150 Horsepower Steam Boiler Stack	CO	0.50	2.19
		NO <sub>x</sub>	0.60	2.61
		PM	0.05	0.20
		PM <sub>10</sub>	0.05	0.20
		PM <sub>2.5</sub>	0.05	0.20
		SO <sub>2</sub>	0.01	0.02
		VOC	0.03	0.14
22	Mineral Mixer Tank Bin Vent	PM	0.63	0.02
		PM <sub>10</sub>	0.16	0.01
		PM <sub>2.5</sub>	0.03	0.01
11	Truck Loadout No. 1	PM	0.03	0.33
		PM <sub>10</sub>	0.01	0.08
		PM <sub>2.5</sub>	0.01	0.08
12	Truck Loadout No. 2	PM	0.03	0.33
		PM <sub>10</sub>	0.01	0.08
		PM <sub>2.5</sub>	0.01	0.08
13	Truck Loadout No. 3a	PM	0.05	0.33
		PM <sub>10</sub>	0.01	0.08
		PM <sub>2.5</sub>	0.01	0.08
14	Truck Loadout No. 3b	PM	0.05	0.33
		PM <sub>10</sub>	0.01	0.08
		PM <sub>2.5</sub>	0.01	0.08
15	Truck Loadout No. 4	PM	0.05	0.33
		PM <sub>10</sub>	0.01	0.08
		PM <sub>2.5</sub>	0.01	0.08
10	Truck Loadout No. 5	PM	0.23	0.33
		PM <sub>10</sub>	0.06	0.08

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		PM <sub>2.5</sub>	0.06	0.08
17	Truck Loadout No. 6	PM	0.17	0.33
		PM <sub>10</sub>	0.04	0.08
		PM <sub>2.5</sub>	0.04	0.08
18	Truck Loadout No. 7	PM	0.17	0.33
		PM <sub>10</sub>	0.04	0.08
		PM <sub>2.5</sub>	0.04	0.08
19	Truck Loadout No. 8	PM	0.17	0.33
		PM <sub>10</sub>	0.04	0.08
		PM <sub>2.5</sub>	0.04	0.08
16	Truck Loadout No. 9	PM	0.24	0.33
		PM <sub>10</sub>	0.06	0.08
		PM <sub>2.5</sub>	0.06	0.08
	Total Loadout Spout Operations (EPNs 10-19)	PM	--	0.33
		PM <sub>10</sub>	--	0.08
		PM <sub>2.5</sub>	--	0.08

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: December 10, 2013