

Emission Sources - Maximum Allowable Emission Rates

Permit Number 2259A

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)
1A	Truck Receiving Pit Fugitives (5)	PM	1.40	2.28
		PM ₁₀	0.31	0.51
		PM _{2.5}	0.05	0.08
26	Procurement Truck Receiving Pit #1 Fugitives (5)	PM	1.05	2.28
		PM ₁₀	0.23	0.51
		PM _{2.5}	0.04	0.08
27	Procurement Truck Receiving Pit #2 Fugitives (5)	PM	1.75	2.28
		PM ₁₀	0.39	0.51
		PM _{2.5}	0.07	0.08
1A, 26, 27	Total Annual Receiving Operations	PM	--	2.28
		PM ₁₀	--	0.51
		PM _{2.5}	--	0.08
1B	East Sand Screens Fugitives (5)	PM	3.44	5.59
		PM ₁₀	1.16	1.89
		PM _{2.5}	1.16	1.89
1C	West Sand Screens Fugitives (5)	PM	3.44	5.59
		PM ₁₀	1.16	1.89
		PM _{2.5}	1.16	1.89

Emission Sources - Maximum Allowable Emission Rates

1	West Split Gravity Separator Cyclone Stack	PM	0.43	0.70
		PM ₁₀	0.15	0.24
		PM _{2.5}	0.15	0.24
2	Screen Air Shaker Cyclone Stack	PM	0.38	0.61
		PM ₁₀	0.10	0.15
		PM _{2.5}	0.10	0.15
3	East Split Gravity Separator Cyclone Stack	PM	0.34	0.56
		PM ₁₀	0.12	0.19
		PM _{2.5}	0.12	0.19
4	East Lead Gravity Separator Cyclone Stack	PM	0.60	0.98
		PM ₁₀	0.20	0.33
		PM _{2.5}	0.20	0.33
5	West Lead Gravity Separator Cyclone Stack	PM	0.60	0.98
		PM ₁₀	0.20	0.33
		PM _{2.5}	0.20	0.33
6	Return Gravity Separator Cyclone Stack	PM	0.60	0.98
		PM ₁₀	0.20	0.33
		PM _{2.5}	0.20	0.33
7	East Bank Hull Cyclone Stack	PM	3.21	5.21
		PM ₁₀	3.21	5.21
		PM _{2.5}	3.21	5.21
8	Eye Room Aspirator Cyclone Stack	PM	0.38	0.61
		PM ₁₀	0.10	0.15

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.10	0.15
9	Oil Stock Aspirator Cyclone Stack	PM	0.15	0.24
		PM ₁₀	0.04	0.06
		PM _{2.5}	0.04	0.06
10	Junk Sheller Fan Cyclone Stack	PM	0.04	0.06
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
11	Hammermill Stick Cyclone Stack	PM	0.07	0.11
		PM ₁₀	0.03	0.05
		PM _{2.5}	0.03	0.05
13	Stemmeal Bin Cyclone Stack	PM	0.07	0.11
		PM ₁₀	0.03	0.05
		PM _{2.5}	0.03	0.05
14	Eye Room Bin Aspirator Cyclone Stack	PM	0.15	0.24
		PM ₁₀	0.04	0.06
		PM _{2.5}	0.04	0.06
16	Oil Stock Recovery Cyclone Stack	PM	0.08	0.12
		PM ₁₀	0.02	0.03
		PM _{2.5}	0.02	0.03
17	West Bank Hull Cyclone Stack	PM	3.21	5.21
		PM ₁₀	3.21	5.21
		PM _{2.5}	3.21	5.21
18	Return Bank Hull Cyclone Stack	PM	3.21	5.21

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	3.21	5.21
		PM _{2.5}	3.21	5.21
34	Emergency Hull Loadout	PM	0.31	0.56
		PM ₁₀	0.10	0.19
		PM _{2.5}	0.02	0.03
35	Emergency Hull Loadout Cyclone Stack	PM	0.03	0.05
		PM ₁₀	0.03	0.05
		PM _{2.5}	<0.01	0.01
19	24-Belt Sizer Aspirator Cyclone Stack	PM	3.00	4.88
		PM ₁₀	0.76	1.24
		PM _{2.5}	0.76	1.24
20	North Gravity Separator Top Cyclone Stack	PM	0.43	0.70
		PM ₁₀	0.15	0.24
		PM _{2.5}	0.15	0.24
21	Oil Stock Gravity Separator Top Cyclone Stack	PM	0.43	0.70
		PM ₁₀	0.15	0.24
		PM _{2.5}	0.15	0.24
23	LSK Gravity Separator Top Cyclone Stack	PM	0.43	0.70
		PM ₁₀	0.15	0.24
		PM _{2.5}	0.15	0.24
24	Bar-Ready Aspirator Cyclone Stack	PM	0.38	0.61
		PM ₁₀	0.08	0.15
		PM _{2.5}	0.08	0.15

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FI-1	Large Baghouse Stack (LSK Aspiration, North and South Meat Reclaimers, East and West Primary Cleaner, Three Rocha Stoners, 68 Model LSK Split Gravity, and Hammermill Aspiration)	PM	9.43	15.32
		PM ₁₀	9.43	15.32
		PM _{2.5}	9.43	15.32
FI-2	Small Baghouse Stack (East and West Sand Screens and North and South Shakers)	PM	0.94	1.53
		PM ₁₀	0.94	1.53
		PM _{2.5}	0.94	1.53
25	Peanut Dryers Fugitives (64 Dryers) (5)	PM	0.13	0.02
		PM ₁₀	0.13	0.02
		PM _{2.5}	0.13	0.02
		VOC	0.09	0.01
		NO _x	1.67	0.23
		SO ₂	0.01	<0.01
		CO	1.41	0.20
28	Procurement Greenload Pre-Cleaner Cyclone #1 Stack	PM	9.50	0.03
		PM ₁₀	8.20	0.02
		PM _{2.5}	8.20	0.02
29	Procurement Greenload Pre-Cleaner Cyclone #2 Stack	PM	9.50	0.03
		PM ₁₀	8.20	0.02
		PM _{2.5}	8.20	0.02

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1E	Dry Wagon Loadout Fugitives (5)	PM	3.10	5.59
		PM ₁₀	1.04	1.89
		PM _{2.5}	0.18	0.32
30	Greenload Stick Loadout Spout Fugitives (5)	PM	2.58	5.59
		PM ₁₀	0.87	1.89
		PM _{2.5}	0.15	0.32
31	Bin #12 Truck Loadout Spout Fugitives (5)	PM	4.30	5.59
		PM ₁₀	1.45	1.89
		PM _{2.5}	0.25	0.32
32	Portable Conveyor Loadout Spout Fugitives (5)	PM	4.30	5.59
		PM ₁₀	1.45	1.89
		PM _{2.5}	0.25	0.32
33	Greenload Truck/Wagon Loadout Spout Fugitives (5)	PM	2.58	5.59
		PM ₁₀	0.87	1.89
		PM _{2.5}	0.15	0.32
1E, 30, 31, 32, 33	Total Annual Loadout Operations	PM	--	5.59
		PM ₁₀	--	1.89
		PM _{2.5}	--	0.32

- (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

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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) 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: May 29, 2014