Emission Sources - Maximum Allowable Emission Rates

Permit Number 3168

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 (4)	
			lbs/hour	TPY*
RP-1	Receiving Pit No. 1	PM	37.13	1.90
		PM_{10}	5.46	0.28
		$PM_{2.5}$	0.93	0.05
RP-2	Receiving Pit No. 2	PM	37.13	1.90
		PM_{10}	5.46	0.28
		$PM_{2.5}$	0.93	0.05
RP-3	Receiving Pit No. 3	PM	37.13	1.90
		PM_{10}	5.46	0.28
		$PM_{2.5}$	0.93	0.05
RP-5	Receiving Pit No.5	PM	37.13	1.90
		PM_{10}	5.46	0.28
		$PM_{2.5}$	0.93	0.05
	Total Receiving Operations	PM	--	1.90
		PM_{10}	--	0.28
		$PM_{2.5}$	--	0.05
C-1	Cyclone Dust Collector 1 (Scalperator [D2/SC-2] and Elevator Leg [D2/E-1])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21

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C-2	Cyclone Dust Collector 2 (Scalperator [D1/SC-1])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-5	Cyclone Dust Collector 5 (Scalperator [D2/SC-2])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-12	Cyclone Dust Collector 12 (Scalperator [D3/SC-3] and Elevator Legs [D3/E-1, D3/E-2])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-13	Cyclone Dust Collector 13 (Receiving Pit No. 3)	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-17	Cyclone Dust Collector 17 (Scalperator [D5/SC-5] and Elevator Leg [D5/E-1])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-18	Cyclone Dust Collector 18 (Elevator Legs [D5/E-2, and D5/E-3])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-19	Cyclone Dust Collector 19 (Scalperator [D5/SC-5])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-20	Cyclone Dust Collector 20 (Elevator Legs [D5/E-1, D5/E-2,	PM	16.38	0.84

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		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-31A	Cyclone Dust Collector 31A (Scalperator [D3/SC-3])	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
C-31B	Cyclone Dust Collector 31B (Elevator Legs [D3/E-4, D3/E-5, and D3/E6] Reversible Belt Conveyor [D3/RB-5], and Fan F-12)	PM	16.38	0.84
		PM_{10}	4.15	0.21
		$PM_{2.5}$	4.15	0.21
	Total Cyclone Dust Collection Operations (EPNs C-1, C-2, C-5, C-12, C-13, C-17, C-18, C-19, C-20, C-31A, and C-31B)	PM	--	0.84
		PM_{10}	--	0.21
		$PM_{2.5}$	--	0.21
D-2	Dryer No. 2 (5 MM Btu/hr)	PM	2.20	0.88
		PM_{10}	0.55	0.22
		$PM_{2.5}$	0.09	0.04
		SO_2	<0.01	<0.01
		NO_x	0.50	0.20
		CO	0.42	0.17
		VOC	0.03	0.01
D-3	Dryer No. 3 (4 MM Btu/hr)	PM	1.98	0.89
		PM_{10}	0.50	0.23
		$PM_{2.5}$	0.09	0.04

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	<0.01
		NO_x	0.40	0.18
		CO	0.34	0.15
		VOC	0.02	0.01
D-4	Box Dryer No. 4 (1 MM Btu/hr)	PM	1.65	0.15
		PM_{10}	0.41	0.04
		$PM_{2.5}$	0.07	0.01
		SO_2	<0.01	<0.01
		NO_x	0.10	0.01
		CO	0.08	0.01
		VOC	0.01	<0.01
D-7	Dryer No. 7 (4 MM Btu/hr)	PM	1.65	0.37
		PM_{10}	0.41	0.10
		$PM_{2.5}$	0.07	0.02
		SO_2	<0.01	<0.01
		NO_x	0.40	0.09
		CO	0.34	0.07
		VOC	0.02	<0.01
BL-1	Bulk Loadout Spout No. 1	PM	9.39	0.12
		PM_{10}	3.16	0.04
		$PM_{2.5}$	0.54	0.01
BL-2	Bulk Loadout Spout No. 2	PM	9.39	0.12
		PM_{10}	3.16	0.04

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.54	0.01
	Total Bulk Loadout	PM	--	0.12
		PM_{10}	--	0.04
		$PM_{2.5}$	--	0.01
BX-1	Line 1 Box Dump Pit	PM	0.60	0.25
		PM_{10}	0.09	0.04
		$PM_{2.5}$	0.02	0.01
BX-2	Line 2 Box Dump Pit	PM	0.60	0.25
		PM_{10}	0.09	0.04
		$PM_{2.5}$	0.02	0.01
	Total Dump Pit Operations	PM	--	0.25
		PM_{10}	--	0.04
		$PM_{2.5}$	--	0.01
C-3	Line 1 Seed Aspirator Cyclone (L1/—4)	PM	2.63	0.37
		PM_{10}	0.67	0.09
		$PM_{2.5}$	0.67	0.09
DIS-1	Discard Bin No. 1	PM	0.01	0.05
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
DIS-2	Discard Bin No. 2	PM	0.01	0.08
		PM_{10}	<0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
DIS	Discard Bin	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FUG-1	General Housekeeping, Cleaner, Line 1 and Line 2 Seed Aspirator,	PM	0.32	0.31

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		PM_{10}	0.32	0.31
		$PM_{2.5}$	0.32	0.31
FUG-2	Rework Dust Collector Exhaust (1 Fabric Filter Dust Collector - FLT-11)	PM	0.10	0.10
		PM_{10}	0.10	0.10
		$PM_{2.5}$	0.10	0.10

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

Date: August 28, 2014