Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 6860 and PSDTX1464

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	
			lbs/hour	TPY (4)
102	Hyper Compressor Vent	VOC	0.50	2.20
104	Spin Dryer	PM	(7)	(7)
		PM_{10}	(7)	(7)
		$PM_{2.5}$	(7)	(7)
		VOC	(6)	(6)
202	Hyper Compressor Vent	VOC	0.50	2.20
204	Spin Dryer	PM	(7)	(7)
		PM_{10}	(7)	(7)
		$PM_{2.5}$	(7)	(7)
		VOC	(6)	(6)
301	Hyper Compressor Vent	VOC	0.50	2.20
307	Spin Dryer	PM	0.34	1.10
		PM_{10}	0.34	1.10
		$PM_{2.5}$	0.34	1.10
		VOC	(6)	(6)
502	MSR Heater B-502	CO	0.02	0.09
		NO_X	0.02	0.11
		PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		SO2	0.01	0.01
		VOC	0.01	0.01

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601	Dust Collector	PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.14	0.60
602A,603A	Hopper Vents (8)	PM	0.29	0.69
		PM_{10}	0.29	0.69
		$PM_{2.5}$	0.29	0.69
602B	Hopper Vent	PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
603B	Hopper Vent	PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
604	Line 1 Blend Silo Dust Collector	PM	1.08	4.75
		PM_{10}	1.08	4.75
		$PM_{2.5}$	1.08	4.75
		VOC	(6)	(6)
605	Line 2 Blend Silo Dust Collector	PM	1.08	4.75
		PM_{10}	1.08	4.75
		$PM_{2.5}$	1.08	4.75
		VOC	(6)	(6)
606	Cyclone	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.17	0.75
		VOC	(6)	(6)
607	Cyclone	PM	0.17	0.75

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.17	0.75
		VOC	(6)	(6)
608	Cyclone	PM	0.51	2.25
		PM_{10}	0.51	2.25
		$PM_{2.5}$	0.51	2.25
		VOC	(6)	(6)
609	Cyclone	PM	0.51	2.25
		PM_{10}	0.51	2.25
		$PM_{2.5}$	0.51	2.25
		VOC	(6)	(6)
612-D645	Slop Tank	VOC	0.05	0.01
612-D716	Diesel Tank	VOC	1.10	0.01
612-D716A	Diesel Tank	VOC	1.10	0.01
612-F102	Coolant Tank	VOC	0.03	0.01
612-F108	Oil Tank	VOC	0.03	0.01
612-F109	Oil Tank	VOC	0.03	0.01
612-F670	OMS Tank	VOC	0.64	0.01
612-F706	Oil Tank	VOC	15.00	3.03
612-F801	Gasoline Tank	VOC	5.20	0.82
612-F802	Diesel Tank	VOC	0.01	0.01
616A,617A, 625A	Hopper Vents (9)	PM	1.00	3.75
		PM_{10}	1.00	3.75
		$PM_{2.5}$	1.00	3.75
616B	Hopper Vent	PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
617B	Hopper Vent	PM	0.08	0.34

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
620	Flotriator Cyclone	PM	0.88	3.87
		PM_{10}	0.88	3.87
		$PM_{2.5}$	0.88	3.87
		VOC	(6)	(6)
621	Scalperator Cyclone	PM	0.77	3.38
		PM_{10}	0.77	3.38
		$PM_{2.5}$	0.77	3.38
		VOC	(6)	(6)
625B	Line 3 Rerun Vacuum Hopper	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
626A and 626C	Line 3 Masterbatch Hopper (10)	PM	0.47	1.10
		PM_{10}	0.47	1.10
		$PM_{2.5}$	0.47	1.10
626B	Line 3 Masterbatch Hopper	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
627	Line 3 Blend Silos	PM	0.44	0.23
		PM_{10}	0.44	0.23
		$PM_{2.5}$	0.44	0.23
		VOC	(6)	(6)
628	Line 3 Blend Silos	PM	0.44	0.23
		PM_{10}	0.44	0.23
		$PM_{2.5}$	0.44	0.23
		VOC	(6)	(6)
631	Lines 1, 2, and 3 Rerun Filter Receiver	PM	0.16	0.71
		PM_{10}	0.16	0.71

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.16	0.71
632	MB and Rerun Cyclone Dust Collector	PM	0.23	1.02
		PM_{10}	0.23	1.02
		$PM_{2.5}$	0.23	1.02
701	Flare	CO	477.61	85.00
		NO_X	114.44	11.40
		SO_2	0.11	0.37
		VOC	392.49	52.34
702	Boiler B-701	CO	3.13	
		NO_X	3.73	
		PM	0.28	
		PM_{10}	0.28	
		$PM_{2.5}$	0.28	
		SO_2	0.02	
		VOC	0.71	
703	Boiler B-701A	CO	3.13	
		NO_X	3.73	
		PM	0.28	
		PM_{10}	0.28	
		$PM_{2.5}$	0.28	
		SO_2	0.02	
		VOC	0.71	
704	Boiler B-701B	CO	3.13	

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		NO_X	3.73	
		PM	0.28	
		PM_{10}	0.28	
		$PM_{2.5}$	0.28	
		SO_2	0.02	
		VOC	0.71	
702, 703, and 704	Boilers B-701, B-701A, and B-701B (11)	CO		30.84
		NO_X		36.71
		PM		2.79
		PM_{10}		2.79
		$PM_{2.5}$		2.79
		SO_2		0.22
		VOC		4.31
714	Wastewater Area Fugitives (5)	VOC	0.01	0.01
985, 986, 987, and 990	Degreasers (12)	VOC	0.84	0.80
MSS	See Attachment C	CO	0.83	0.01
		NO_X	0.98	0.01
		PM	0.19	0.50
		PM_{10}	0.19	0.50
		$PM_{2.5}$	0.19	0.50
		SO_2	0.01	0.01
		VOC	279.34	4.97
HPFUGEM	High Pressure Unit Fugitives (5)	VOC	16.66	72.99
618	Transfer Cyclone	PM	2.73	11.98
		PM_{10}	2.73	11.98

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	2.73	11.98
		VOC	97.91	271.36

Emission Sources - Maximum Allowable Emission Rates

(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_X	-	total oxides of nitrogen
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
SO_2	-	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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Total residual VOC emissions from EPNs 104, 204, 307, 604, 605, 606, 607, 608, 609, 618, 620, 621, 627, and 628 are listed under EPN 618.
(7) Total spin dryer particulate emissions from EPNs 104, 204~~,~~ and 307 are listed under EPN 307.
(8) Total emissions for EPNs 602A and 603A.
(9) Total emissions for EPNs 616A, 617A, and 625A.
(10) Total emissions for EPNs 626A and 626C.
(11) Total emissions for EPNs 702, 703, and 704.
(12) Total emissions for EPNs 985, 986, 987, and 990.

Date: March 10, 2022