Emission Sources - Maximum Allowable Emission Rates

Permit Number 19618

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)
901	Initiator Drums Condenser	VOC	2.47	1.61
902	Inhibitor Drum Condenser	VOC	5.27	0.62
903	Stopper Drum Condenser	VOC	6.54	0.15
904	Phosphoric Acid Drum Condenser	VOC	1.21	0.25
945	Baghouse (Dry Grinding Line)	VOC	3.51	0.17
		Methyl Acetate	0.01	0.01
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
946	Baghouse (Dry Grinding Line)	VOC	3.51	0.17
		Methyl Acetate	0.01	0.01
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
947	Baghouse (Dry Grinding Line)	VOC	0.31	0.19
		Methyl Acetate	0.01	0.01
		PM	0.02	0.05
		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.02	0.05

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948	Baghouse (Dry Grinding Line)	VOC	0.31	0.19
		Methyl Acetate	0.01	0.01
		PM	0.02	0.05
		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.02	0.05
951	Baghouse (Product Silo)	VOC	0.23	0.34
		Methyl Acetate	0.01	0.01
		PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.08	0.10
955	Baghouse (House Vacuum Systems)	VOC	0.02	0.04
		Methyl Acetate	0.01	0.01
		PM	0.14	0.03
		PM_{10}	0.14	0.03
		$PM_{2.5}$	0.14	0.03
956	Baghouse (Product Silo)	VOC	0.23	0.34
		Methyl Acetate	0.01	0.01
		PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.08	0.10
957	Baghouse (Product Silo)	VOC	0.23	0.34
		Methyl Acetate	0.01	0.01
		PM	0.08	0.10
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.08	0.10
982	TK10.40 Methanol Storage Tank	VOC	0.47	0.87
		Methyl Acetate	0.01	0.02
983	TK10.50 Methanol Storage Tank	VOC	0.49	0.98

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		Methyl Acetate	0.01	0.03
984	TK10.60 VAM Storage Tank	VOC	0.80	1.32
		Methyl Acetate	0.13	0.23
985	TK10.30 Mother Liquor / Methyl Acetate Storage Tank	VOC	0.58	1.54
		Methyl Acetate	1.39	5.32
986	TK10.31 Mother Liquor / Methyl Acetate Storage Tank	VOC	0.55	1.40
		Methyl Acetate	1.25	4.67
987	Acetic Acid Scrubber (Tanks 10.70, 10.80)	VOC	0.23	0.10
989	TK10.10 Vinyl Acetate Storage Tank	VOC	0.44	0.75
		Methyl Acetate	0.08	0.13
1011	TK60.01 Wastewater Tank	VOC	1.71	1.08
		Methyl Acetate	0.70	0.76
900-10.71	TK10.71 Methyl Acetate Tank	VOC	0.03	0.09
		Methyl Acetate	1.24	4.45
900-FUG	Fugitives PVOH Plant (5)	VOC	6.80	28.97
		Methyl Acetate	1.75	7.45
1012	Flare	VOC	9.62	4.31
		Methyl Acetate	30.15	13.99
		NO_x	2.57	1.32
		CO	22.06	11.30
		SO_2	0.29	0.17
900-BOWW	Saponification Boilout Wastewater Emissions	VOC	24.10	0.66
		Methyl Acetate	5.40	0.10
1001	Fugitives Catalyst Freezer (5)	Refrigerant R-404A	1.07	4.70
900-72.01	Cooling Tower	VOC	1.13	3.21
		PM	0.41	0.67
		PM_{10}	0.20	0.34

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		$PM_{2.5}$	0.01	0.01
900-TOTE	Container Filling	VOC	2.15	0.02
		Methyl Acetate	0.28	0.01
1002	Fugitives Chiller (5)	Refrigerant R-22	0.76	3.32

(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
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.

Date: June 21, 2017