Emission Sources - Maximum Allowable Emission Rates

Permit Number 19683

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)
P-1	Process Ammonia Scrubber	NH_3	0.49	0.03
EP-14	Spray Dryer / Bag House / Scrubber	PM	0.19	0.72
		PM_{10}	0.19	0.72
		$PM_{2.5}$	0.19	0.72
		NH_3	0.22	0.98
		NO_x	0.74	3.24
		CO	5.45	23.96
		SO_2	0.08	0.34
		VOC	0.46	2.00
FUG 1	Process Fugitives (5)	NH_3	0.02	0.07
FUG 2	Refrigeration Fugitives (5)	HCFC	3.97	1.91
FUG 3	Larox Filter Fugitives (5)	NH_3	0.88	1.12
FUG 4-A	PM Building 8 Bagging Fugitives (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FUG 4-B	PM Cupric/K101 Bagging Fugitives (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FUG 4-C	PM North Silo Bagging Fugitives (5)	PM	0.07	0.06
		PM_{10}	0.07	0.06
		$PM_{2.5}$	0.07	0.06
FUG 4-D	PM Formulation T360 Loading Fugitives (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01

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FUG 4-E	PM Formulation T340 Bulk Loading Fugitives (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FUG 4-F	PM Reaction Bulk Loading Fugitives (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
T-340	Formulation Tank	NH_3	0.04	0.03
BC-313	Packaging Baghouse	PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
BC-304	Grinder Hopper / Baghouse	PM	0.10	0.07
		PM_{10}	0.10	0.07
		$PM_{2.5}$	0.10	0.07
BC-308	WP South Silo	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
BC-10	Filtrate Recycle Tank	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
BC-352	Packaging / TK352 Baghouse	PM	0.10	0.44
		PM_{10}	0.10	0.44
		$PM_{2.5}$	0.10	0.44
V-FFS	FFS Packaging Vacuum	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16

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(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
NH_3 - ammonia
HCFC - chlorodifluoromethane
(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: October 9, 2015