Emission Sources - Maximum Allowable Emission Rates

Permit Number 7303

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 (5)	
			lbs/hour	TPY (4)
NTHVNT1-13	North Building Combustion Sources – Flame Treaters 1 through 5	VOC	0.01	0.05
		NO_x	0.22	0.95
		CO	0.18	0.80
		SO_2	<0.01	0.01
		PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
STHVNT1-12	South Building Combustion Sources – Flame Treaters 6 through 14	VOC	0.02	0.09
		NO_x	0.39	1.71
		CO	0.33	1.43
		SO_2	<0.01	0.01
		PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
NTHVNT1-13	North Building – Blow Molding Fugitives	PM	0.37	1.62
		PM_{10}	0.37	1.62
		$PM_{2.5}$	0.37	1.62
STHVNT1-12	South Building – Blow Molding Fugitives	PM	0.37	1.62
		PM_{10}	0.37	1.62
		$PM_{2.5}$	0.37	1.62

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NTHVNT1-13	North Building – Injection Molding Fugitives	PM	0.30	1.31
		PM_{10}	0.30	1.31
		$PM_{2.5}$	0.30	1.31
STHVNT1-12	South Building – Injection Molding Fugitives	PM	0.44	1.93
		PM_{10}	0.44	1.93
		$PM_{2.5}$	0.44	1.93
NTHVNT1-13	North Building – Foam Injection Fugitives	Freon 134a	77.82	91.52
STHVNT1-12	South Building – Foam Injection Fugitives	Freon 134a	77.82	192.51
NTHVNT1-13	North Building – Scrap Handling/ Recycling Fugitives	PM	0.24	1.05
		PM_{10}	0.24	1.05
		$PM_{2.5}$	0.24	1.05
STHVNT1-12	South Building – Scrap Handling/ Recycling Fugitives	PM	0.69	3.00
		PM_{10}	0.69	3.00
		$PM_{2.5}$	0.69	3.00
NTHVNT1-13	North Building – Solvent Usage Fugitives	VOC	6.56	1.24
		PM	0.15	<0.01
		PM_{10}	0.15	<0.01
		$PM_{2.5}$	0.15	<0.01
STHVNT1-12	South Building – Adhesive and Solvent Usage Fugitives	VOC	7.33	3.97
		PM	0.15	0.01
		PM_{10}	0.15	0.01
		$PM_{2.5}$	0.15	0.01

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SILO1	Silo 1	PM	0.13	0.01
		PM_{10}	0.06	0.01
		$PM_{2.5}$	0.01	<0.01
SILO2	Silo 2	PM	0.13	0.11
		PM_{10}	0.06	0.05
		$PM_{2.5}$	0.01	0.01
SILO3	Silo 3	PM	0.13	0.11
		PM_{10}	0.06	0.05
		$PM_{2.5}$	0.01	0.01
SILO4	Silo 4	PM	0.13	0.01
		PM_{10}	0.06	0.01
		$PM_{2.5}$	0.01	<0.01
SILO5	Silo 5	PM	0.13	0.11
		PM_{10}	0.06	0.05
		$PM_{2.5}$	0.01	0.01
SILO6	Silo 6	PM	0.13	0.11
		PM_{10}	0.06	0.05
		$PM_{2.5}$	0.01	0.01
TANK5	Tank No. 5 – Part B Component (Polyol Resin)	VOC	1.54	0.04
NTHVNT1-13	Tank No. 7 – Part B Component (Polyol Resin)	VOC	1.15	0.03
TANK11	Tank No. 11 – Part B Component (Polyol Resin)	VOC	1.73	0.06
STHVNT1-12	Tank No. 13 – Part B Component (Polyol Resin)	VOC	0.39	0.01

Emission Sources - Maximum Allowable Emission Rates

STHVNT1-12	Rotomold 1 Loading	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
STHVNT1-12	Rotomold 2 Loading	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
RTMHTR1	Rotomold Oven 1	VOC	0.03	0.13
		NO_x	0.55	2.40
		CO	0.46	2.02
		SO_2	<0.01	0.01
		PM	0.04	0.18
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.04	0.18
RTMHTR2	Rotomold Oven 2	VOC	0.01	0.06
		NO_x	0.25	1.07
		CO	0.21	0.90
		SO_2	<0.01	0.01
		PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
All Emission Points at the Site	All Sources at the Site	Individual HAPS		<10.00
		Total HAPs		<25.00

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
Freon 134a - 1,1,1,2-tetrafluoroethane
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAPS - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: November 13, 2017