Emission Sources - Maximum Allowable Emission Rates

Permit Number 43652

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)
DC-3	Product Finishing Dust Collector # 3	PM/PM_{10}/$PM_{2.5}$	0.77	3.19
DC-4	Product Finishing Dust Collector # 4	PM/PM_{10}/$PM_{2.5}$	0.54	2.25
DC-5	Product Finishing Dust Collector # 5	PM/PM_{10}/$PM_{2.5}$	1.13	4.69
DC-6	Phthalic Anhydride/ Alicylic Anhydride Dust Collector # 6	Phthalic Anhydride (PM/PM_{10}/$PM_{2.5}$)	0.13	0.54
		Alicyclic Anhydride (VOC)	< 0.01	< 0.01
DC-7	Silica Silo # 1 Dust Collector # 7	PM/PM_{10}	0.06	0.04
		$PM_{2.5}$	< 0.01	< 0.01
DC-8	Silica Silo # 2 Dust Collector # 8	PM/PM_{10}	0.06	0.04
		$PM_{2.5}$	< 0.01	< 0.01
DC-9	Dust Collector #9	PM/PM_{10}/$PM_{2.5}$	0.15	0.61
		VOC	< 0.01	0.02
DC-10	Dust Collector #10	PM/PM_{10}/$PM_{2.5}$	0.09	0.38
DC-11	Silica Silo # 3 Dust Collector # 11	PM/PM_{10}	0.06	0.04
		$PM_{2.5}$	< 0.01	< 0.01
DC-12	Silica Silo # 4 Dust Collector # 12	PM/PM_{10}	0.06	0.04
		$PM_{2.5}$	< 0.01	< 0.01
DC-5&9-Cap	Cap for DC 5 and DC9	PM/PM_{10}/$PM_{2.5}$	0.15	0.61
		VOC	< 0.01	0.02
FUG-1	Building Fugitives	VOC	29.88	23.77

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		Exempt Solvent	39.22	47.56
		Phthalic Anhydride ($PM/PM_{10}/PM_{2.5}$)	0.01	0.06
G-0	Gel Oven 0	VOC	0.40	0.44
		NO_X	0.10	0.43
		CO	0.08	0.36
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-1	Gel Oven 1	VOC	0.40	0.44
		NO_X	0.10	0.43
		CO	0.08	0.36
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-2	Gel Oven 2	VOC	0.40	0.44
		NO_X	0.10	0.43
		CO	0.08	0.36
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-3	Gel Oven 3	VOC	0.40	0.44
		NO_X	0.10	0.43
		CO	0.08	0.36
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-4	Gel Oven 4	VOC	0.40	0.44
		NO_X	0.10	0.43
		CO	0.08	0.36

Emission Sources - Maximum Allowable Emission Rates

		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-5	Gel Oven 5	VOC	0.39	0.43
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-6	Gel Oven 6	VOC	0.40	0.10
		NO_X	0.10	0.43
		CO	0.08	0.36
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-7	Gel Oven 7	VOC	0.40	0.10
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-8	Gel Oven 8	VOC	0.40	0.10
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-9	Gel Oven 9	VOC	0.40	0.10
		NO_X	0.08	0.34
		CO	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-10	Gel Oven 10	VOC	0.40	0.11
		NO_X	0.12	0.52
		CO	0.10	0.43
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.04
		SO_2	< 0.01	< 0.01
G-11	Gel Oven 11	VOC	0.40	0.10
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-12	Gel Oven 12	VOC	0.40	0.10
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
G-13	Gel Oven 13	VOC	0.40	0.10
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
C-1	Cure Oven 1	VOC	0.40	0.07
		NO_X	0.12	0.52
		CO	0.10	0.43

Emission Sources - Maximum Allowable Emission Rates

		$PM/PM_{10}/PM_{2.5}$	0.01	0.04
		SO_2	< 0.01	< 0.01
C-2	Cure Oven 2	VOC	0.40	0.07
		NO_X	0.12	0.52
		CO	0.10	0.43
		$PM/PM_{10}/PM_{2.5}$	0.01	0.04
		SO_2	< 0.01	< 0.01
C-3	Cure Oven 3	VOC	0.40	0.07
		NO_X	0.12	0.52
		CO	0.10	0.43
		$PM/PM_{10}/PM_{2.5}$	0.01	0.04
		SO_2	< 0.01	< 0.01
C-4	Cure Oven 4	VOC	0.40	0.07
		NO_X	0.12	0.52
		CO	0.10	0.43
		$PM/PM_{10}/PM_{2.5}$	0.01	0.04
		SO_2	< 0.01	< 0.01
C-5	Cure Oven 5	VOC	0.40	0.07
		NO_X	0.12	0.52
		CO	0.10	0.43
		$PM/PM_{10}/PM_{2.5}$	0.01	0.04
		SO_2	< 0.01	< 0.01
C-6	Cure Oven 6	VOC	0.39	0.06
		NO_X	0.08	0.34
		CO	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
C-7	Cure Oven 7	VOC	0.39	0.06
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
C-8	Cure Oven 8	VOC	0.39	0.06
		NO_X	0.08	0.34
		CO	0.07	0.29
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.03
		SO_2	< 0.01	< 0.01
C-9	Cure Oven 9	VOC	0.39	0.05
		NO_X	0.05	0.21
		CO	0.04	0.18
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.02
		SO_2	< 0.01	< 0.01
C-10	Cure Oven 10	VOC	0.39	0.05
		NO_X	0.05	0.21
		CO	0.04	0.18
		$PM/PM_{10}/PM_{2.5}$	< 0.01	0.02
		SO_2	< 0.01	< 0.01
SO-1	Sink Oven 1	VOC	0.40	0.15
		NO_X	0.10	0.43
		CO	0.08	0.36

Emission Sources - Maximum Allowable Emission Rates

		$PM/PM_{10}/PM_{2.5}$	0.01	0.03
		SO_2	< 0.01	< 0.01
SO-2	Sink Oven 2	VOC	0.40	0.15
		NO_X	0.10	0.43
		CO	0.08	0.36
		$PM/PM_{10}/PM_{2.5}$	0.01	0.03
		SO_2	< 0.01	< 0.01
SO-3	Sink Oven 3	VOC	0.40	0.16
		NO_X	0.12	0.52
		CO	0.10	0.43
		$PM/PM_{10}/PM_{2.5}$	0.01	0.04
		SO_2	< 0.01	< 0.01
All	Site-Wide	Single HAP		< 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
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
HAP - 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 emissions from planned maintenance, startup, and shutdown activities.

Date: September 24, 2021