Emission Sources - Maximum Allowable Emission Rates

Permit Number 21768

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 (8)	
			lbs/hour	TPY (4)
R1	Coater Fiber Bed Filter Stack (Coater, Coater Surge Tank, Underlayment Coater, Mix Tank, Swing Tank, Core Batch #1, Core Batch #2, Sticky Batch #1, Sticky Batch #2, Horizontal Mixer, Filled Coating Surge Tanks) (6)	PM	0.66	0.95
		PM_{10}	0.66	0.95
		$PM_{2.5}$	0.66	0.95
		VOC	23.86	34.49
		CO	1.80	7.18
		H_2S	0.19	0.82
		HAPs	0.04	0.10
R-2	Filler Heater Stack	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
		VOC	0.02	0.07
		CO	0.23	1.01
		NO_x	0.27	1.20
		SO_2	<0.01	0.01
R-3 and R-4	Cooling Section Stacks 1 and 2 (Cooling Section 1, Cooling Section 2)	PM	4.22	4.68
		PM_{10}	4.22	4.68
		$PM_{2.5}$	4.22	4.68
		VOC	1.28	1.42
R-5, R-6, and R-7	General Ventilation Vents 1, 2, and 3 (Coater, Underlayment Coaters, Mini Cooling, Material Surface Area, Asphalt Filler Mixer, Sealant Tank, Adhesive Use Tank, Sealant Melt Tank #1, Sealant and Adhesive Applicators, Bake Off Oven, Ink Jet and Underlayment	PM	0.99	1.04
		PM_{10}	0.99	1.04
		$PM_{2.5}$	0.99	1.04
		VOC	3.83	4.86
		H_2S	0.02	<0.01
		CO	0.26	0.28
		SO2	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

		NO_x	0.04	0.15
		HAPs	<0.01	<0.01
R9	Filler Storage Silo Baghouse Stack	PM	0.05	0.20
		PM_{10}	0.05	0.20
		$PM_{2.5}$	0.05	0.20
R-10	Filler Upper Surge Hopper Baghouse Stack	PM	0.09	0.41
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.09	0.41
R14	Coating Preheater 1 Vent	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		VOC	0.03	0.12
		CO	0.41	1.80
		SO_2	<0.01	0.01
		NO_x	0.49	2.15
R-15	Roofing Line Process Dust Collector Stack (IR Heater, Material Surface Area, Filler Lower Surge Hopper, Backdust Storage)	PM	1.90	8.30
		PM_{10}	1.90	8.30
		$PM_{2.5}$	1.90	8.30
		VOC	0.01	<0.01
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01
R-18C	Surfacing Material Truck Unloading (5)	PM	0.03	0.09
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	0.01
R-18A	Surfacing Material Railcar Unloading (5)	PM	0.02	0.05
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

R-59	Surfacing Material Railcar Unloading Dust Collector Stack	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
R43	Asphalt Melt Tank	PM	0.14	0.16
		PM_{10}	0.14	0.16
		$PM_{2.5}$	0.14	0.16
		VOC	0.50	0.56
		CO	0.01	0.02
		H_2S	<0.01	<0.01
		HAPs	<0.01	<0.01
A44	CECO Filter Stack (Tank 1, Tank 19, Tank 20, Tank 32, Tank 33) (6)	PM	0.32	0.45
		PM_{10}	0.32	0.45
		$PM_{2.5}$	0.32	0.45
		VOC	11.57	16.19
		CO	3.34	14.63
		H_2S	0.16	0.68
		HAPs	0.03	0.06
A130	Boiler Vent	PM	0.05	0.22
		PM_{10}	0.05	0.22
		$PM_{2.5}$	0.05	0.22
		VOC	0.04	0.16
		CO	0.56	2.46
		NO_x	0.25	1.08
		SO_2	<0.01	0.02
R55	Roofing Hot Oil Heater Vent	PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
		VOC	0.03	0.15
		CO	0.52	2.30

Emission Sources - Maximum Allowable Emission Rates

		NO_x	0.62	2.73
		SO_2	<0.01	0.02
R56	Hot Filler Bin Vent	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
A69, A78, A79	Tank Burners 19, 32, and 33 Vents	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		VOC	0.02	0.07
		CO	0.26	1.12
		NO_x	0.30	1.33
		SO_2	<0.01	0.01
A64, A70	Tank Burners 1, 20 Vents	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		VOC	0.02	0.07
		CO	0.25	1.08
		NO_x	0.29	1.29
		SO_2	<0.01	0.01

(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
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
H_2S - hydrogen sulfide
HCl - hydrogen chloride/hydrochloric acid (HAP)
(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) The HAPs are included in the PM and VOC maximum allowable emission quantities.

Emission Sources - Maximum Allowable Emission Rates

(7) HAPs listed include HCl.
(8) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: July 10, 2020