Emission Sources - Maximum Allowable Emission Rates

Permit Number 7711A

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)
HTR3	T-1 Laminating Adhesive Bulk Storage Tank Heater Vent	NO_x	0.05	0.22
		SO_2	0.01	0.01
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		CO	0.04	0.18
		VOC	0.01	0.01
HTR4	T-2 Laminating Adhesive Bulk Storage Tank Heater Vent	NO_x	0.05	0.22
		SO_2	0.01	0.01
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		CO	0.04	0.18
		VOC	0.01	0.01
HTR5	Asphalt Heater for T-14 and T-15 Coating Asphalt Storage and Coating Feed Loop Vent	NO_x	0.10	0.44
		SO_2	0.01	0.01
		PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03
		CO	0.08	0.35
		VOC	0.01	0.02
BLR5	Standby Boiler Vent	NO_x	0.82	3.59
		SO_2	0.01	0.04
		PM	0.16	0.70

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		PM_{10}	0.16	0.70
		$PM_{2.5}$	0.16	0.70
		CO	1.73	7.58
		VOC	0.11	0.48
8/8A	Thermal Oxidizer (Direct Flame Incinerator) Exhaust through Waste Heat Boiler Stack	NO_x	1.90	8.31
		SO_2	29.35	80.00
		PM	2.62	11.46
		PM_{10}	2.62	11.46
		$PM_{2.5}$	2.62	11.46
		CO	11.34	49.65
		VOC	0.09	0.37
WHBLR1	Waste Heat Recovery Boiler Natural Gas Burner Side Vent	NO_x	0.47	2.06
		SO_2	0.01	0.04
		PM	0.11	0.48
		PM_{10}	0.11	0.48
		$PM_{2.5}$	0.11	0.48
		CO	1.24	5.43
		VOC	0.08	0.35
CFL/34	Coalescing Filter Mist Elimination Systems (Line 3 Asphalt Coaters) with ESP as Backup (Stack)	PM	0.63	2.76
		PM_{10}	0.63	2.76
		$PM_{2.5}$	0.63	2.76
		VOC	5.76	25.23
25	Sand Application Baghouse Stack	PM	0.59	2.58
		PM_{10}	0.59	2.58
		$PM_{2.5}$	0.59	2.58
26B	Stabilizer Storage Baghouse B Stack	PM	0.29	1.27
		PM_{10}	0.29	1.27
		$PM_{2.5}$	0.29	1.27
27	Stabilizer Heater Baghouse Stack	PM	0.09	0.39

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		PM_{10}	0.09	0.39
		$PM_{2.5}$	0.09	0.39
28	Asphalt Heater Vent	NO_x	0.59	2.58
		SO_2	<0.01	0.02
		PM	0.04	0.20
		PM_{10}	0.04	0.20
		$PM_{2.5}$	0.04	0.20
		CO	0.49	2.15
		VOC	0.03	0.14
FUG1	Plant-wide Fugitive Emissions	PM	0.91	3.97
		PM_{10}	0.91	3.97
		$PM_{2.5}$	0.91	3.97
		VOC	0.43	1.88
COOL3	Line 3 Cooling Section (3 stacks)	PM	6.74	29.52
		PM_{10}	6.74	29.52
		$PM_{2.5}$	6.74	29.52
		VOC	2.76	12.09
HTR6	Line 3 Stabilizer Thermal Fluid Heater Vent	NO_x	0.39	1.71
		SO_2	0.01	0.01
		PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		CO	0.33	1.45
		VOC	0.02	0.09
All Sources (site-wide)	Various	Single HAP	--	<10
		Aggregate HAP	--	<25

(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

Emission Sources - Maximum Allowable Emission Rates

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

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: January 9, 2023