Emission Sources - Maximum Allowable Emission Rates

Permit Number 128854

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 (6)	
			lbs/hour	TPY (4)
PS-05	Strander Pneumatic System Baghouse Stack 1	PM	0.29	1.27
		PM_{10}	0.29	1.27
		$PM_{2.5}$	0.29	1.27
PS-06	Former Area Aspiration System Baghouse Stack	PM	0.54	2.37
		PM_{10}	0.54	2.37
		$PM_{2.5}$	0.54	2.37
PS-07	Dry Bin Area Aspiration System Baghouse Stack	PM	0.41	1.80
		PM_{10}	0.41	1.80
		$PM_{2.5}$	0.41	1.80
PS-08	Sawline Pneumatic Baghouse System Stack	PM	0.63	2.76
		PM_{10}	0.63	2.76
		$PM_{2.5}$	0.63	2.76
PS-09	Fines Aspiration System Baghouse Stack	PM	0.55	2.41
		PM_{10}	0.55	2.41
		$PM_{2.5}$	0.55	2.41
PS-10	Sand & Tongue and Groove Aspiration System Baghouse Stack	PM	1.34	5.87
		PM_{10}	1.34	5.87
		$PM_{2.5}$	1.34	5.87
HP (R21)	High Pressure System Receiver Cyclone Stack	PM	1.24	5.43
		PM_{10}	1.24	5.43
		$PM_{2.5}$	1.24	5.43
TO-2	Standby Thermal Oil Heater (60 MMBtu/hr) Stack	VOC	0.32	0.12
		NO_X	4.37	1.57
		SO_2	0.04	0.01

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		PM	0.45	0.16
		PM_{10}	0.45	0.16
		$PM_{2.5}$	0.45	0.16
		CO	0.07	0.02
		C_6H_6	<0.01	<0.01
		HCOH	<0.01	<0.01
		n-Hexane	0.11	0.04
		Toluene	<0.01	<0.01
		Total HAPs	0.11	0.04
PF-03A	Edge Seal Paint Booth Baghouse Stack A	VOC	0.02	0.05
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
PF-03B	Edge Seal Paint Booth Baghouse Stack B	VOC	0.02	0.05
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
PF-04A	Stencil Painting Area A (5)	VOC	<0.01	0.01
		PM	0.02	0.11
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
PF-04B	Stencil Painting Area B (5)	VOC	<0.01	0.01
		PM	0.02	0.11
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
PFX-04C	Stencil Painting Area C (5)	VOC	<0.01	0.01
		PM	0.02	0.11
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01

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TK-1 (R21)	Diesel Storage Tank	VOC	<0.01	<0.01
TK-2 (R21)	Gasoline Storage Tank	VOC	0.06	0.26
TK-4	Edge Seal Storage Tank	VOC	0.01	0.03
TK-5 (R21)	Gear Oil Storage Tank	VOC	<0.01	<0.01
TK-6 (R21)	Gear Oil Storage Tank	VOC	<0.01	<0.01
TK-7	Phenolic Resin Storage Tank	VOC	0.22	0.97
TK-8	Phenolic Resin Storage Tank	VOC	0.22	0.97
TK-9	Phenolic Resin Storage Tank	VOC	0.22	0.97
TK-12	Wax Storage Tank	VOC	<0.01	<0.01
TK-13	Wax Storage Tank	VOC	<0.01	<0.01
TK-14	Dispersant Storage Tank	VOC	0.02	0.09
EFP-1	Emergency Fire Pump (Diesel) Stack	VOC	1.32	0.07
		NO_X	1.32	0.07
		SO_2	<0.01	<0.01
		PM	0.07	<0.01
		PM_{10}	0.07	<0.01
		$PM_{2.5}$	0.07	<0.01
		CO	1.15	0.06
		C_6H_6	<0.01	<0.01
		HCOH	<0.01	<0.01
		Total HAPs	<0.01	<0.01
EG-1	Emergency Generator (Diesel) Stack	VOC	10.58	0.53
		NO_X	10.58	0.53
		SO_2	0.01	<0.01
		PM	0.33	0.02
		PM_{10}	0.33	0.02
		$PM_{2.5}$	0.33	0.02
		CO	5.79	0.29

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		C_6H_6	0.01	<0.01
		HCOH	<0.01	<0.01
		Total HAPs	0.01	<0.01
EFPX-2	Emergency Fire Pump (Diesel) Stack 2	VOC	2.64	0.13
		NO_X	2.64	0.13
		SO_2	0.01	0.01
		PM	0.13	0.01
		PM_{10}	0.13	0.01
		$PM_{2.5}$	0.13	0.01
		CO	2.29	0.11
		C_6H_6	<0.01	<0.01
		HCOH	<0.01	<0.01
		Total HAPs	0.01	<0.01
EGX-2	Emergency Generator (Diesel) Stack 2	VOC	10.58	0.53
		NO_X	10.58	0.53
		SO_2	0.01	0.01
		PM	0.33	0.02
		PM_{10}	0.33	0.02
		$PM_{2.5}$	0.33	0.02
		CO	5.79	0.29
		C_6H_6	0.01	<0.01
		HCOH	<0.01	<0.01
		Total HAPs	0.01	<0.01
PSX-11	Strander Pneumatic System Baghouse Stack 2	PM	0.77	3.38
		PM_{10}	0.77	3.38
		$PM_{2.5}$	0.77	3.38
PSX-12	Dry Screen Area Pneumatic System Baghouse Stack	PM	0.75	3.29
		PM_{10}	0.75	3.29
		$PM_{2.5}$	0.75	3.29

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PSX-13	Blender Area Aspiration System Baghouse Stack	PM	1.80	7.88
		PM_{10}	1.80	7.88
		$PM_{2.5}$	1.80	7.88
PSX-14	Former Area Pneumatic System/Edge Trim System 2 Baghouse Stack	PM	1.80	7.88
		PM_{10}	1.80	7.88
		$PM_{2.5}$	1.80	7.88
DRTOX-03	Dryer RTO System (Dryer, Cyclone, Quench System, and WESP) (Dryer 3) Stack	VOC	2.85	9.93
		NO_X	23.81	83.03
		SO_2	12.39	43.23
		PM	3.57	12.44
		PM_{10}	3.57	12.44
		$PM_{2.5}$	3.57	12.44
		CO	9.04	31.52
		Acetaldehyde	0.19	0.65
		HCOH	0.53	1.86
		MeOH	0.04	0.14
		Phenol	0.15	0.53
		Total HAPs	0.91	3.18
		NH_3	2.75	9.58
DRTOX-04	Dryer RTO System (Dryer, Cyclone, Quench System, and WESP) (Dryer 4) Stack	VOC	2.85	9.93
		NO_X	23.81	83.03
		SO_2	12.39	43.23
		PM	3.57	12.44
		PM_{10}	3.57	12.44
		$PM_{2.5}$	3.57	12.44
		CO	9.04	31.52
		Acetaldehyde	0.19	0.65
		HCOH	0.53	1.86
		MeOH	0.04	0.14

Emission Sources - Maximum Allowable Emission Rates

		Phenol	0.15	0.53
		Total HAPs	0.91	3.18
		NH_3	2.75	9.58
PRTOX-02	Press Regenerative Thermal Oxidizer 2 (Press 2) Stack	VOC	10.69	32.08
		NO_X	26.83	80.48
		SO_2	13.45	40.35
		PM	17.86	53.58
		PM_{10}	17.86	53.58
		$PM_{2.5}$	17.86	53.58
		CO	27.16	81.47
		HCOH	0.02	0.07
		MeOH	0.20	0.59
		Phenol	0.63	1.88
		Total HAPs	0.85	2.54
PFX-03C	Edge Seal Paint Booth Stack C	VOC	0.02	0.05
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
TKX-16	Phenolic Resin Storage Tank 4	VOC	0.09	0.41
TKX-17	Phenolic Resin Storage Tank 5	VOC	0.09	0.41
TKX-19	Paraffinic Wax Storage Tank 3	VOC	<0.01	<0.01
TKX-22	Hydraulic Oil Storage Tank	VOC	<0.01	<0.01
TKX-23	Off-Road ULS Diesel (EFPX-2)	VOC	<0.01	<0.01
TKX-24	Off-Road ULS Diesel (EGX-2)	VOC	<0.01	<0.01
DRTO-01/02	Dryer Regenerative Thermal Oxidizers 1 & 2 (Dryers 1 & 2) Stack	VOC	5.57	18.36
		NO_X	38.97	128.52
		SO_2	5.57	18.36

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		PM	22.27	73.44
		PM_{10}	20.41	67.32
		$PM_{2.5}$	20.41	67.32
		CO	44.54	146.88
		Acetaldehyde	0.37	1.22
		HCOH	1.11	3.67
		MeOH	0.28	0.92
		Phenol	1.11	3.67
		Total HAPs	2.88	9.49
PRTO-01	Press Regenerative Thermal Oxidizer 1 (Press 1) Stack	VOC	0.75	2.25
		NO_X	25.50	76.50
		SO_2	0.02	0.08
		PM	12.00	36.00
		PM_{10}	12.00	36.00
		$PM_{2.5}$	12.00	36.00
		CO	7.50	22.50
		HCOH	0.03	0.09
		MeOH	0.15	0.45
		Phenol	0.60	1.80
		Total HAPs	0.78	2.34
MSS-1	Pneumatic Transfer System Bypass Stack	PM	404.21	1.21
		PM_{10}	212.16	0.64
		$PM_{2.5}$	117.06	0.35
MSS-2	Sawline Bypass Stack 1	PM	165.50	8.28
		PM_{10}	86.87	4.34
		$PM_{2.5}$	47.93	2.40
MSS-3	Dryer Bypass Stack (Dryers 1, 2, 3, and 4)	VOC	187.89	9.39
MSSX-4	Sawline Bypass Stack 2	PM	197.91	9.90
		PM_{10}	103.88	5.19

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		$PM_{2.5}$	57.31	2.87

(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
C_6H_6 - benzene
HCOH - formaldehyde
MeOH - methanol
(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) Planned startup and shutdown emissions are included, as well as planned maintenance activities identified as part of permit issued on October 23, 2015.

Date: October 14, 2021