Emission Sources - Maximum Allowable Emission Rates

Permit Number 88397

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)
FUG 1 GNL	Granule and Headlap Truck Unloading Fugitives	PM	1.42	6.22
		PM_{10}	0.71	3.12
		$PM_{2.5}$	0.71	3.12
STK 1 BKG	Sand Backing Receiving Collective Stack	PM	0.11	0.48
		PM_{10}	0.05	0.24
		$PM_{2.5}$	0.05	0.24
STK 2 FLR	Filler Storage Silo Bin Vent Stack	PM	0.04	0.17
		PM_{10}	0.04	0.17
		$PM_{2.5}$	0.04	0.17
STK 15 INC	Blow Still Incinerator Stack (Blow Still Converter North Tank, Blow Still Converter South Tank, Blow Still Knock-Out Tank, Blow Still Down Oil Tank)	PM	1.26	5.53
		PM_{10}	1.26	5.53
		$PM_{2.5}$	1.26	5.53
		CO	20.36	62.77
		SO_2	29.67	75.22
		NO_x	1.73	5.32
		VOC	0.77	3.36
		HAPs	0.11	0.48
STK 5 ASP	Coating Asphalt East Tank, Coating Asphalt West Tank, Saturant Asphalt West Tank Fiber Bed Filter Stack	PM	0.05	0.27
		PM_{10}	0.05	0.27

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		$PM_{2.5}$	0.05	0.27
		SO_2	0.04	0.20
		VOC	1.40	6.12
STK 6 ASP	Sealant/Adhesive Asphalt Tank Fiber Bed Filter Stack	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	0.01
		VOC	0.11	0.46
STK 7 ASP	Modified Coating Asphalt Tank Fiber Bed Filter Stack	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	0.01
		VOC	0.11	0.46
STK 8 ASP	Blow Still Pre-Blend Asphalt Tank Fiber Bed Filter Stack	PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
		SO_2	0.01	0.06
		VOC	0.41	1.78
STK 10 ASP	Blow Still Flux Asphalt West Tank Fiber Bed Filter Stack	PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
		SO_2	0.06	0.27
		VOC	1.84	8.03
STK 11 ASP	Blow Still Flux Asphalt East Tank Fiber Bed Filter Stack	PM	0.08	0.34
		PM_{10}	0.08	0.34

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		$PM_{2.5}$	0.08	0.34
		SO_2	0.06	0.27
		VOC	1.84	8.03
STK 13 ASP	Shingle Line Coater Demister Stack	PM	1.14	5.01
		PM_{10}	1.14	5.01
		$PM_{2.5}$	1.14	5.01
		SO_2	2.26	9.91
		VOC	1.01	4.44
STK 25 VNT	Shingle Line Cooling Fan Collective Vent	PM	0.76	3.34
		PM_{10}	0.38	1.67
		$PM_{2.5}$	0.38	1.67
		SO_2	0.23	0.99
		VOC	0.68	2.96
FUG 2 GNL	Granule Blender Application Fugitives	PM	0.31	1.37
		PM_{10}	0.31	1.37
		$PM_{2.5}$	0.31	1.37
STK 3 FLR	Filler Use Bin Vent Stack	PM	0.15	0.67
		PM_{10}	0.15	0.67
		$PM_{2.5}$	0.15	0.67
STK 12 FLR	Filler Heater Bin Vent Stack	PM	0.15	0.67
		PM_{10}	0.15	0.67
		$PM_{2.5}$	0.15	0.67
STK 16 HTR	Filler System Hot Oil Heater Stack	PM	0.03	0.07
		PM_{10}	0.03	0.07

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		$PM_{2.5}$	0.03	0.07
		CO	0.17	0.68
		SO_2	1.00	0.37
		NO_x	0.28	0.39
		VOC	0.01	0.04
STK 18 HTR	Blow Still Flux Asphalt Preheater Stack	PM	0.14	0.38
		PM_{10}	0.14	0.38
		$PM_{2.5}$	0.14	0.38
		CO	0.84	3.68
		SO_2	5.03	1.84
		NO_x	1.42	2.08
		VOC	0.06	0.24
STK 22 BLR	#1 Boiler Stack	PM	0.12	0.30
		PM_{10}	0.12	0.30
		$PM_{2.5}$	0.12	0.30
		CO	0.70	3.07
		SO_2	4.20	1.53
		NO_x	1.18	1.63
		VOC	0.41	0.20
STK 23 BLR	#2 Boiler Stack	PM	0.09	0.37
		PM_{10}	0.09	0.37
		$PM_{2.5}$	0.09	0.37
		CO	0.27	1.17
		SO_2	0.01	0.03

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		NO_x	0.14	0.62
		VOC	0.07	0.26
STK 24 BLR	#3 Boiler Stack	PM	0.09	0.37
		PM_{10}	0.09	0.37
		$PM_{2.5}$	0.09	0.37
		CO	0.27	1.17
		SO_2	0.01	0.03
		NO_x	0.14	0.62
		VOC	0.07	0.26
STK 21 HTR	Modified Coating Asphalt Heater Stack	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		CO	0.25	1.10
		SO_2	0.01	0.01
		NO_x	0.30	1.31
		VOC	0.02	0.07
STK 20 HTR	Coating Asphalt Heater Stack	PM	0.07	0.19
		PM_{10}	0.07	0.19
		$PM_{2.5}$	0.07	0.19
		CO	0.44	1.76
		SO_2	2.62	0.96
		NO_x	0.74	1.02
		VOC	0.03	0.12
STK 17 HTR	Coating System Hot Oil Heater Stack	PM	0.02	0.05
		PM_{10}	0.02	0.05

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		$PM_{2.5}$	0.02	0.05
		CO	0.13	0.51
		SO_2	0.76	0.28
		NO_x	0.21	0.29
		VOC	0.01	0.03
STK 9 ASP	Blow Still Post-Blend Asphalt Tank and Truck Asphalt Loading Rack Fiber Bed Filter Stack	VOC	0.60	2.63
STK 27 HTR	Heater Stack (Sheet Pre-Heater)	PM	<0.01	0.03
		PM_{10}	<0.01	0.03
		$PM_{2.5}$	<0.01	0.03
		CO	0.08	0.34
		SO_2	<0.01	<0.01
		NO_x	0.09	0.41
		VOC	<0.01	0.02
	Single HAP	HAP	--	<10
	Total HAPs	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
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: November 7, 2019