Emission Sources - Maximum Allowable Emission Rates

Permit Number 22366

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)
Gravity Pipe Plant				
18, 19, 21, 50 and 51	Cement/Fly Ash Silo Baghouse Stacks	PM	0.26	0.06
		PM_{10}	0.26	0.06
		$PM_{2.5}$	0.26	0.06
11, 12 and 13	Mixers (5)	PM	2.60	2.11
		PM_{10}	0.71	0.58
		$PM_{2.5}$	0.16	0.13
1a, 2a, 2b, 4, 9, 10, 10a and 14-17	Material Handling (5) (hoppers, conveyors, trolley, bins)	PM	0.08	0.06
		PM_{10}	0.03	0.02
		$PM_{2.5}$	0.01	0.01
STK 13	Stockpile (5)	PM	-.--	0.22
		PM_{10}	-.--	0.11
		$PM_{2.5}$	-.--	0.02
22	Boiler	PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
		VOC	0.04	0.15
		NO_X	0.64	2.81
		CO	0.54	2.36
		SO_2	<0.01	0.02
FUG2GPP	Outdoor Gravity Pipe Coating Brush Application	VOC	24.63	0.31
FUG3GPP	Outdoor Gravity Pipe Coating Spray Application of Form Release	PM	0.04	<0.01
		PM_{10}	0.04	<0.01

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		$PM_{2.5}$	0.04	<0.01
		VOC	9.63	0.20
Outdoor Wet Pre-Cast Plant				
27 and 28	Cement/Fly Ash Silo Baghouse Stacks	PM	0.10	0.02
		PM_{10}	0.10	0.02
		$PM_{2.5}$	0.10	0.02
29	Mixer (5)	PM	0.87	0.43
		PM_{10}	0.24	0.12
		$PM_{2.5}$	0.05	0.03
23, 24, 25 and 26	Material Handling (5) (hopper, conveyors, bins)	PM	0.03	0.02
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
STK 1	Stockpile (5)	PM	-.--	0.18
		PM_{10}	-.--	0.09
		$PM_{2.5}$	-.--	0.01
Manhole Plant and Hydropak (Box Pipe) Plant				
39 and 40	Cement/Fly Ash Silo Baghouse Stacks	PM	0.10	0.04
		PM_{10}	0.10	0.04
		$PM_{2.5}$	0.10	0.04
36 and 37	Manhole Plant Mixer and Dust Collector Stack (5)	PM	0.02	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
38 and 38a	Hydropak Plant Mixer and Dust Collector Stack (5)	PM	0.02	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
32, 33, 34 and 35	Material Handling (5) (hopper, conveyors, bin)	PM	0.04	0.04
		PM_{10}	0.02	0.02
		$PM_{2.5}$	<0.01	<0.01
STK 2	Stockpile (5)	PM	-.--	0.29

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		PM_{10}	-.--	0.14
		$PM_{2.5}$	-.--	0.02
30	Boiler	PM	0.04	0.18
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.04	0.18
		VOC	0.03	0.13
		NO_X	0.53	2.32
		CO	0.44	1.95
		SO_2	<0.01	0.01
31	Boiler	PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
		VOC	0.04	0.15
		NO_X	0.64	2.81
		CO	0.54	2.36
		SO_2	<0.01	0.02
Indoor Wet Pre-Cast Plant				
41, 42, 43, 44, 45, 46 and 47	Material Handling (5) (hopper, conveyors, bin)	PM	0.32	0.40
		PM_{10}	0.12	0.15
		$PM_{2.5}$	0.03	0.03
47A	Indoor Wet Pre-Cast Plant Mixer/Dust Collector Stack (5)	PM	0.06	0.07
		PM_{10}	0.02	0.02
		$PM_{2.5}$	<0.01	<0.01
49	Cement/Fly Ash Silo Dust Collector Stack	PM	0.11	0.14
		PM_{10}	0.11	0.14
		$PM_{2.5}$	0.11	0.14
STK 3 and STK 11	Stockpiles (5)	PM	-.--	0.29
		PM_{10}	-.--	0.14
		$PM_{2.5}$	-.--	0.02

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FUG9OPC	Outdoor Brush Application of Coatings	VOC (6)	8.32	3.28
FUG13IPC	Outdoor Spray Application of Form Release	PM	0.02	0.02
		PM_{10}	0.02	0.02
		$PM_{2.5}$	0.02	0.02
		VOC (6)	7.34	5.51
FUG 11	Boiler/Steam Generator	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		VOC	0.02	0.07
		NO_X	0.29	1.29
		CO	0.25	1.08
		SO_2	<0.01	<0.01
Fuel Tanks				
104 and 105	Split Fuel Tanks (5)	VOC	22.59	1.47
Coatings Abrasive Blast Cleaning Area				
FUG 10	Maintenance Blasting (5)	PM	0.74	0.08
		PM_{10}	0.09	<0.01
		$PM_{2.5}$	0.09	<0.01
Site-Wide Hazardous Air Pollutant (HAP) Limitations				
All	Various (7)	Individual HAP	-.--	<10.00
		All 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) 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.

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(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Valid substitution in accordance with Special Condition No. 24 may cause the hourly rate to vary.
(7) All surface coating facilities.
(8) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: March 13, 2017