Emission Sources - Maximum Allowable Emission Rates

Permit Number 4421A

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)
B-1	No. 1 Boiler Stack	NO_x	0.39	1.69
		CO	0.50	2.16
		VOC	0.08	0.34
		PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
		SO_2	0.01	0.04
		Total HAPs	0.02	0.10
B-2	No. 2 Boiler Stack	NO_x	1.26	5.26
		CO	1.06	4.42
		VOC	0.07	0.42
		PM	0.10	0.40
		PM_{10}	0.10	0.40
		$PM_{2.5}$	0.10	0.40
		SO_2	0.01	0.04
		Total HAPs	0.02	0.10

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F-14	Afterburner Stack (Blowstill No. 1 and No. 3 and Knockout Tank)	NO_x	4.62	5.78
		CO	49.80	62.25
		VOC	1.20	1.50
		PM	6.60	8.25
		PM_{10}	6.60	8.25
		$PM_{2.5}$	6.60	8.25
		SO_2	69.60	87.00
		Total HAPs	0.34	0.42
		HCl	0.34	0.42
C-1	No. 3 Limestone Silo Dust Collector Stack	PM	0.26	0.13
		PM_{10}	0.26	0.13
		$PM_{2.5}$	0.26	0.13
C-2	Line 1 Mineral Application Process Dust Collector Stack (Granule Run Tank and Sand Run Tank)	PM	0.43	1.72
		PM_{10}	0.10	0.43
		$PM_{2.5}$	0.01	0.06
C-3	Line 2 Mineral Application Process Dust Collector Stack (Granule Run Tank and Sand Run Tank)	PM	0.43	1.72
		PM_{10}	0.10	0.43
		$PM_{2.5}$	0.01	0.06
C-4	Sand Silo Dust Collector Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
H-1	No. 2 Born Coating Heater Stack	NO_x	1.40	5.85
		CO	1.18	4.92
		VOC	0.08	0.33
		PM	0.11	0.45
		PM_{10}	0.11	0.45
		$PM_{2.5}$	0.11	0.45
		SO_2	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

		Total HAPs	0.03	0.11
H-2	No. 3 Born Coating Heater Stack	NO_x	1.40	5.85
		CO	1.18	4.92
		VOC	0.08	0.33
		PM	0.11	0.45
		PM_{10}	0.11	0.45
		$PM_{2.5}$	0.11	0.45
		SO_2	0.01	0.04
		Total HAPs	0.03	0.11
H-3	No. 2 Cuttler Coating Heater Stack	NO_x	0.60	2.51
		CO	0.51	2.11
		VOC	0.04	0.14
		PM	0.05	0.19
		PM_{10}	0.05	0.19
		$PM_{2.5}$	0.05	0.19
		SO_2	<0.01	0.02
		Total HAPS	0.01	0.05
H-4	Hot Oil Heater No. 1 Stack	NO_x	0.40	1.67
		CO	0.34	1.41
		VOC	0.03	0.10
		PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		SO_2	<0.01	0.01
		Total HAPS	0.01	0.03
H-9	Hot Oil Heater No. 2 Stack	NO_x	0.13	0.55
		CO	0.11	0.46
		VOC	0.01	0.03
		PM	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
		SO_2	<0.01	0.01
		Total HAPS	<0.01	0.01
T-1	No. 1 Tank Fume Filter Vent	VOC	1.90	8.82
T-2	No. 2 Tank Fume Filter Vent (Coating Tank No. 2 and Flux Tanks No. 1 and No. 2)	VOC	1.90	8.82
T-3	Large Coater/Surge Tank Fume Filter Vent	CO	0.68	3.00
		VOC	6.01	24.04
		PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.17	0.75
T-4	Sealant Storage Tank Vent	VOC	0.03	0.05
T-5	Laminant Storage Tank Vent	VOC	0.03	0.11
T-6	Fume Filter Vent (Line 1 Laminator, Line 2 Laminator, and Asphalt Use Tank)	VOC	0.39	1.73
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
T-8	Imperlux L101 Plasticizer Tank Vent	VOC	<0.01	<0.01
L1-A	No. 1 Filler Silo Dust Collector A Vent	PM	0.26	1.14
		PM_{10}	0.26	1.14
		$PM_{2.5}$	0.26	1.14
L-2	No. 2 Filler Silo Dust Collector Vent	PM	0.26	0.59
		PM_{10}	0.26	0.59
		$PM_{2.5}$	0.26	0.59

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L-3	Horizon Limestone Dust Collector Vent (Limestone Filler Heater and Limestone Run Tank)	PM	0.69	3.01
		PM_{10}	0.69	3.01
		$PM_{2.5}$	0.69	3.01
		NO_x	0.70	3.05
		CO	0.28	1.20
		VOC	0.04	0.18
		SO_2	0.01	0.02
		Total HAPs	0.01	0.06
F-1	Fugitives (5)	VOC	1.90	8.31
F-2	Maintenance Fugitives (5)	NO_x	0.04	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
		PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		SO_2	0.11	<0.01
		Total HAPs	<0.01	<0.01
F-5	Line 2 Sealant Applicator System Vent (5)	VOC	0.03	0.10
MFGBLDG	Manufacturing Building (Paint and Ink Jet Printer) (5)	VOC	0.27	1.12
E-1	Emergency Generator Stack	NO_x	3.10	1.36
		CO	0.67	0.29
		VOC	0.25	0.11
		PM	0.22	0.10
		PM_{10}	0.22	0.10
		$PM_{2.5}$	0.22	0.10
		SO_2	0.21	0.09
		Total HAPs	0.39	0.17

Emission Sources - Maximum Allowable Emission Rates

G-1	Batch House (Granule Silos and Granule Truck and Rail Unloading) (5)	PM	2.62	2.62
		PM_{10}	2.62	2.62
		$PM_{2.5}$	2.62	2.62
G-2	Intermediate Granule Handling Building Vent	PM	2.55	2.55
		PM_{10}	2.55	2.55
COOL-1	Line 1 Cooling Section Building Vent	PM	0.10	0.44
		PM_{10}	0.10	0.44
		$PM_{2.5}$	0.10	0.44
COOL-2	Line 2 Cooling Section Building Vent	PM	0.10	0.44
		PM_{10}	0.10	0.44
		$PM_{2.5}$	0.10	0.44

(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
HCl - hydrogen chloride
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) 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. Planned maintenance emissions resulting from the cleaning of asphalt from piping and from tool cleaning using heating (EPN F-2) are authorized by this permit and other planned maintenance emissions are authorized under PBR 106.263 Registration No. 107586.

Date: September 25, 2015