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)
Scenario 1: Post-Project Emission Rates (8)				
T-2	Flux Tank 1 (DFTO Downtime) Fume Filter Stack	VOC	0.54	0.14
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
T-2	Flux Tank 2 (DFTO Downtime) Fume Filter Stack	VOC	0.54	0.14
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
T-1	Coating Tank 2 (DFTO Downtime) Fume Filter Stack	VOC	0.12	0.03
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
T-2	Coating Tank 1 (DFTO Downtime) Fume Filter Stack	VOC	0.12	0.03
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
T-1		VOC	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Vertical Oil Tank 1 (DFTO Downtime) Fume Filter Stack	CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
T-4	Sealant Tank (DFTO Downtime) Stack	VOC	0.02	<0.01
		CO	<0.01	<0.01
		PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
		HAPs	<0.01	<0.01
T-5	Laminant Tank (DFTO Downtime) Stack	VOC	<0.01	<0.01
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
KOTL	Knockout Oil Truck Loading	VOC	0.52	0.01
		CO	0.08	<0.01
		PM	0.15	<0.01
		PM_{10}	0.15	<0.01
		$PM_{2.5}$	0.15	<0.01
		HAPs	0.02	<0.01
F-15	DFTO Stack (Blowing Stills, Flux Storage Tanks, Coating Storage Tanks, Laminant Storage Tank, Sealant Storage Tank, and Vertical Oil Tank)	VOC	0.39	1.11
		NOx	1.93	6.64
		CO	9.40	27.34
		PM	1.52	4.34
		PM_{10}	1.44	4.14
		$PM_{2.5}$	1.21	3.52
		SO_2	14.46	38.71

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		HCl	0.18	0.48
		HAPs	0.33	0.87
T-6	Laminators Fume Filter Stack	VOC	0.04	0.04
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
T-3a or T-3b	Sealant Vertical Mixer	VOC	0.05	0.04
		CO	0.01	0.01
		HCl	<0.01	<0.01
T-3a or T-3b	No. 1 Surge Tank Vertical Mixer	VOC	0.27	0.70
		CO	0.06	0.14
		HCl	<0.01	<0.01
T-3a or T-3b	No. 2 Surge Tank Vertical Mixer	VOC	0.27	0.70
		CO	0.06	0.14
		HCl	<0.01	<0.01
T-3a or T-3b	No. 3 Surge Tank Vertical Mixer	VOC	0.37	0.97
		CO	0.08	0.20
		HCl	<0.01	<0.01
T-6	Asphalt Use Tank	VOC	0.05	0.09
		CO	0.01	0.02
		HCl	<0.01	<0.01
MIXERS	Mixers Cap	PM	0.07	0.18
		PM_{10}	0.07	0.18
		$PM_{2.5}$	0.07	0.17
T-3a	Line 1 Coater	VOC	1.61	3.96
		CO	0.16	0.38
		PM	0.22	0.53
		PM_{10}	0.22	0.53

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	0.03	0.08
		H_2S	<0.01	0.01
		SO_2	0.06	0.15
		HAPs	0.13	0.32
T-3b	Line 2 Coater	VOC	2.13	5.47
		CO	0.21	0.53
		PM	0.29	0.74
		PM_{10}	0.29	0.74
		$PM_{2.5}$	0.04	0.11
		H_2S	<0.01	0.01
		SO_2	0.08	0.21
		HAPs	0.17	0.45
MFGBLDG	Line 1 and Line 2 Coaters (Uncaptured) (5)	VOC	0.21	0.52
		CO	0.02	0.05
		PM	0.12	0.30
		PM_{10}	0.12	0.30
		$PM_{2.5}$	0.12	0.30
		H_2S	<0.01	0.01
		SO_2	0.01	0.02
		HAPs	0.02	0.04
MFGBLDG	Line 1 and Line 2 Laminators (Uncaptured) (5)	VOC	<0.01	<0.01
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
MFGBLDG	Line 1 and Line 2 Aggregate Application (Uncaptured) (5)	PM	0.01	0.05
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
MFGBLDG	Line 1 and Line 2 Sand Brushes (5)	PM	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
MFGBLDG	Line 1 and Line 2 Sealant Pans (5)	VOC	0.04	0.02
		CO	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAPs	<0.01	<0.01
MFGBLDG	Line 1 and Line 2 Cooling Section (Uncaptured) (5)	VOC	0.15	0.68
		PM	0.59	1.51
		PM_{10}	0.32	0.82
		$PM_{2.5}$	0.05	0.13
MFGBLDG	Line 1 and Line 2 Ink (5)	VOC	1.00	0.79
MFGBLDG	Line 1 and Line 2 Paint (5)	VOC	0.11	0.17
MFGBLDG	Line 1 and Line 2 Unwind Stands (5)	PM	0.59	2.45
		PM_{10}	0.06	0.27
		$PM_{2.5}$	0.01	0.03
MFGBLDG	Line 1 and Line 2 Printers (5)	VOC	0.15	0.65
COOL-1	Line No. 1 Cooling Vent	VOC	0.46	2.03
		PM	1.47	3.61
		PM_{10}	0.79	1.95
		$PM_{2.5}$	0.12	0.30
COOL-2	Line No. 2 Cooling Vent	VOC	0.41	1.81
		PM	1.73	4.43
		PM_{10}	0.93	2.39
		$PM_{2.5}$	0.15	0.37
C-1	No. 3 Limestone Silo Dust Collector Stack	PM	0.05	0.03
		PM_{10}	0.05	0.03
		$PM_{2.5}$	0.05	0.03
C-2		VOC	0.09	0.22

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Line 1 Aggregate Application Process Dust Collector Stack	PM	0.02	0.11
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
C-3	Line 2 Aggregate Application Process Dust Collector Stack	VOC	0.12	0.30
		PM	0.02	0.11
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
C-4	Sand Silo Dust Collector Stack	PM	0.26	1.14
L1-a	No. 1 Limestone Dust Collector Stack	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.05	0.23
L-2	No. 2 Limestone Dust Collector Stack	PM	0.05	0.12
		PM_{10}	0.05	0.12
		$PM_{2.5}$	0.05	0.12
L-3/H-5	Horizontal Limestone Run Tank Dust Collector Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
L-3/H-5	Limestone Filler Heater	VOC	0.03	0.14
		NOx	0.58	2.53
		CO	0.49	2.13
		PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.04	0.19
		SO_2	0.09	0.38
		HAPs	0.01	0.05
B-1	No. 1 Boiler	VOC	0.08	0.34
		NO_x	0.39	1.70
		CO	0.50	2.18
		PM	0.08	0.34
		PM_{10}	0.08	0.34

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	0.08	0.34
		SO_2	0.22	0.98
		HAPs	0.02	0.10
B-2	No. 2 Boiler	VOC	0.07	0.29
		NO_x	1.22	5.32
		NO_x (7)	0.83	3.63
		CO	1.02	4.47
		PM	0.09	0.40
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40
		SO_2	0.18	0.80
		HAPs	0.02	0.10
H-1	No. 2 Born Coating Heater	VOC	0.05	0.23
		NO_x	0.12	0.53
		CO	0.81	3.55
		PM	0.07	0.32
		PM_{10}	0.07	0.32
		$PM_{2.5}$	0.07	0.32
		SO_2	0.14	0.63
		HAPs	0.02	0.08
H-2	No. 3 Born Coating Heater	VOC	0.05	0.23
		NO_x	0.12	0.53
		CO	0.81	3.55
		PM	0.07	0.32
		PM_{10}	0.07	0.32
		$PM_{2.5}$	0.07	0.32
		SO_2	0.14	0.63
		HAPs	0.02	0.08
H-3	No. 2 Cutler Coating Heater	VOC	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		NO_x	0.58	2.53
		CO	0.49	2.13
		PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.04	0.19
		SO_2	0.09	0.38
		HAPs	0.01	0.05
H-4	Hot Oil Heater No. 1	VOC	0.02	0.09
		NO_x	0.39	1.69
		CO	0.32	1.42
		PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		SO_2	0.06	0.25
		HAPS	0.01	0.03
H-9	Hot Oil Heater No. 2	VOC	0.01	0.03
		NO_x	0.13	0.55
		CO	0.11	0.46
		PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
		SO_2	0.02	0.08
		HAPS	<0.01	0.01
E-1	Emergency Generator	VOC	0.25	0.01
		NO_x	3.13	0.16
		CO	0.67	0.03
		PM	0.22	0.01
		PM_{10}	0.22	0.01
		$PM_{2.5}$	0.22	0.01
		SO_2	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		HAPs	<0.01	<0.01
CT-1	Process Cooling Tower	PM	0.02	0.08
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
CT-2	Compressor Cooling Tower	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
CT-3	Coater Cooling System Tower 1	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
CT-4	Coater Cooling System Tower 2	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
G-1b	Batch House Granules (5)	PM	1.22	0.08
		PM_{10}	0.03	<0.01
		$PM_{2.5}$	<0.01	<0.01
G-2a	Intermediate Granule Handling Vents	PM	1.03	0.66
		PM_{10}	0.03	0.03
		$PM_{2.5}$	<0.01	<0.01
G-2b	Intermediate Granule Handling Vents	PM	1.73	1.19
		PM_{10}	0.04	0.03
		$PM_{2.5}$	<0.01	<0.01
G-3	Railcar Granule Unloading Facility (5)	PM	2.45	0.87
		PM_{10}	0.05	0.02
		$PM_{2.5}$	<0.01	<0.01
G-4	Headlap/Granules Unloading Facility (5)	PM	1.22	0.60
		PM_{10}	0.03	0.01
		$PM_{2.5}$	<0.01	<0.01
G-5	Mix/Production Buildings Vents (5)	PM	0.72	3.64

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		PM_{10}	0.08	0.53
		$PM_{2.5}$	0.02	0.16
G-6	Roll-Off Boxes (5)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
F-1	Stillyard Fugitives (5)	VOC	1.90	8.31
F-2	Maintenance Fugitives (5)	VOC	<0.01	<0.01
		NO_x	0.04	<0.01
		CO	<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
HAP	Hazardous Air Pollutants (Individual)	HAP	-	<10
HAP	Hazardous Air Pollutants (Total)	HAP	-	<25

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
Scenario 2: Pre-Project Emission Rates (8)				
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	0.40
		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
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 Dust Collector Stack	PM	0.26	0.13
		PM_{10}	0.26	0.13
		$PM_{2.5}$	0.26	0.13

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
C-2	Line 1 Aggregate 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 Aggregate 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
		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 Cutler 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

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	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
		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. 1 and Flux Tanks No. 1 and No. 2)	VOC	1.90	8.82
		CO	<0.01	<0.01
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		HAPs	<0.01	<0.01
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

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	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
L-1a	No. 1 Limestone Dust Collector	PM	0.26	1.14
		PM_{10}	0.26	1.14
		$PM_{2.5}$	0.26	1.14
L-2	No. 2 Limestone Dust Collector	PM	0.26	0.59
		PM_{10}	0.26	0.59
		$PM_{2.5}$	0.26	0.59
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	Stillyard 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

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
F-5	Line 2 Sealant Applicator System Vent (5)	VOC	0.03	0.10
MFGBLDG	Manufacturing Building Fugitives (Paint and Ink Jet Printer) (5)	VOC	0.27	1.12
E-1	Emergency Generator Stack	NO_x	3.13	0.16
		CO	0.67	0.03
		VOC	0.25	0.01
		PM	0.22	0.01
		PM_{10}	0.22	0.01
		$PM_{2.5}$	0.22	0.01
		SO_2	<0.01	<0.01
		Total HAPs	<0.01	<0.01
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 No. 1 Cooling Vent	PM	0.10	0.44
		PM_{10}	0.10	0.44
		$PM_{2.5}$	0.10	0.44
COOL-2	Line No. 2 Cooling Vent	PM	0.10	0.44
		PM_{10}	0.10	0.44
		$PM_{2.5}$	0.10	0.44
KOTL	Knockout Oil Truck Loading	VOC	0.52	0.01
		CO	0.08	<0.01
		PM	0.15	<0.01
		PM_{10}	0.15	<0.01
		$PM_{2.5}$	0.15	<0.01
		HAPs	0.02	<0.01
CT-1	Process Cooling Tower	PM	0.35	1.5
		PM_{10}	0.35	1.5

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	0.35	1.5
CT-2	Compressor Cooling Tower	PM	0.07	0.3
		PM_{10}	0.07	0.3
		$PM_{2.5}$	0.07	0.3
G-3	Railcar Granule Unloading Facility	PM	4.37	3.82
		PM_{10}	4.37	3.82
		$PM_{2.5}$	4.37	3.82
G-4	Headlap/Granules Unloading Facility	PM	0.02	0.04
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
G-6	Roll-Off Boxes	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
G-5	Mix/Production Buildings Vents	PM	0.72	3.64
		PM_{10}	0.08	0.53
		$PM_{2.5}$	0.02	0.16

(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.
(7) NO_x emission rate effective upon installation and operation of the replacement burner represented in the permit amendment dated November 8, 2019.
(8) Scenario 1 emission rates are effective upon completion and startup of the project represented in the permit amendment application, PI-1 dated November 8, 2019. Scenario 2 emission rates are effective until the startup of the project.

Date: August 7, 2020