

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9423 and N202

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	
			lbs/hour	TPY (4)
FL-3706	Elevated Flare	VOC (6)	153.73	77.69
		Ethylene	153.73	77.69
		Propylene	153.73	77.69
		CO	127.74	102.48
		NO _x	24.80	19.89
		SO ₂	0.78	2.00
D-885	Waste Oil Loading	VOC	0.06	<0.01
PP-ANALYZER	Analyzer Vents	VOC	0.01	0.03
		CO	0.01	0.05
		NO _x	<0.01	0.01
E-CAP	Emission Cap for Various EPNs (9)	VOC	9.75	19.39
		Exempt Solvent	7.36	26.19
Cooling Towers				
CT-895	West Marley Cooling Tower	VOC (5) (6)	1.89	6.19
		Ethylene	1.89	6.19
		Propylene	1.89	6.19
		PM	0.59	1.95
		PM ₁₀	0.33	1.09
		PM _{2.5}	<0.01	<0.01
CT-6901	East Marley Cooling Tower	VOC (5) (6)	0.84	2.44
		Ethylene	0.84	2.44
		Propylene	0.84	2.44
		PM	0.26	0.77
		PM ₁₀	0.15	0.43
		PM _{2.5}	<0.01	<0.01

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Xcel Marley 3 Cooling Tower	VOC (5) (6)	1.02	2.97	
		Ethylene	1.02	2.97
		Propylene	1.02	2.97
		PM	0.32	0.93
		PM ₁₀	0.18	0.52
		PM _{2.5}	<0.01	<0.01
CT-4861	DLX Cooling Tower	PM	0.04	0.05
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	<0.01
C-Line EPNs				
D-3103	TEAL Seal pot Drum	VOC	<0.01	<0.01
D-3105	Oil/Grease Blending Drum	VOC	<0.01	<0.01
D-3106	Catalyst Dispersion Drum	VOC	<0.01	<0.01
D-3106B	Catalyst Dispersion Drum	VOC	<0.01	<0.01
D-3107	Hydraulic Oil Drum	VOC	<0.01	<0.01
D-3110A	Donor Metering Drum	VOC	<0.01	<0.01
D-3113	Additive Drum Seal Pot	VOC	0.02	<0.01
D-3504	Stabilizer Additive Drum	VOC	0.15	0.02
		PM	0.03	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
TK-880	Mineral Oil Tank	VOC	0.09	<0.01
T-3111	Bulk Donor Tank	VOC	<0.01	<0.01
TK-2527A	CLX Mineral Oil Tank	VOC	0.22	<0.01
TK-2527B	CLX Mineral Oil Tank	VOC	0.22	<0.01
TK-5104C	CLX Peroxide Tank	VOC	0.04	0.01
C-FUG	C-Line Fugitives (5)	VOC (6)	2.66	11.66
		Propylene	2.12	9.26
Project Number: 343768		D-Line EPNs		
D-4103	TEAL Seal Pot Drum	VOC	<0.01	<0.01

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Grease Belding Drum	VOC	<0.01	<0.01	
D-4106A	Catalyst Dispersion Drum	VOC	<0.01	<0.01
D-4106B	Catalyst Dispersion Drum	VOC	0.02	<0.01
D-4107	Hydraulic Oil Drum	VOC	0.01	<0.01
D-4110A	Donor Metering Drum	VOC	<0.01	<0.01
D-4110B	Donor Metering Drum	VOC	<0.01	<0.01
D-4504	Stabilizer Additive Drum	VOC	0.11	<0.01
		PM	0.03	<0.01
		PM ₁₀	0.02	<0.01
PM _{2.5}				
<0.01				
<0.01				
D-4706	DLN Additive Drum	VOC	0.07	<0.01
T-4111	Bulk Donor Tank	VOC	<0.01	<0.01
D-FUG	D-Line Fugitives (5)	VOC (6)	2.78	12.17
		Ethylene	0.02	0.10
		Propylene	2.22	9.71
E-Line EPNs				
D-6103	TEAL Seal Pot Drum	VOC	<0.01	<0.01
D-6105	Grease Blending Drum	VOC	<0.01	<0.01
D-6105B	Oil Blending Drum	VOC	<0.01	<0.01
D-6106A	Catalyst Dispersion Drum	VOC	0.02	<0.01
D-6106B	Catalyst Dispersion Drum	VOC	0.02	<0.01
D-6107	Hydraulic Oil Drum	VOC	<0.01	<0.01
D-6110A	Donor Metering Drum	VOC	<0.01	<0.01
D-6110B	Donor Metering Drum	VOC	<0.01	<0.01
D-6113	Additive Drum Seal Pot	VOC	0.17	0.06
D-6850	DLX/ELX Peroxide Tank	VOC	0.04	0.01
T-6111	Bulk Donor Tank	VOC	<0.01	<0.01
E-FUG	E-Line Fugitives (5)	VOC (6)	8.39	36.74

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Line Polymer Transfer, Loading/Unloading, Extrusion and Vacuum Cleaning Systems M-2574	Railcar Unloading (Flake)			
		VOC	(7)	(7)
		PM	0.29	1.25
		PM ₁₀	0.29	1.25
S-2580	DLX Centralized Vent System	PM _{2.5}	0.29	1.25
		VOC	(7)	(7)
		PM	< 0.01	0.02
		PM ₁₀	< 0.01	0.02
		PM _{2.5}	< 0.01	0.02
D-4801-03 DLX Pellet Silos VOC (7) (7)				
F-4842	DLX Railcar Loading (Pellets)	VOC	(7)	(7)
		PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
F-5101	CLX Centralized Vent System	VOC	(7)	(7)
		PM	0.02	0.09
		PM ₁₀	0.02	0.09
F-6802	ELX Centralized Vent System	PM _{2.5}	0.02	0.09
		VOC	(7)	(7)
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
F-5303	CLX Railcar Loading (Pellets)	VOC	(7)	(7)
		PM	0.02	0.07
		PM ₁₀	0.02	0.07
Project Number: 343768		PM _{2.5}	0.02	0.07
F-6841-42	ELX Railcar Loading (Pellets)	VOC	(7)	(7)

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D-4103

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TEAL Seal Pot Drum	VOC	<0.01	<0.01	
D-4105	Oil Blending Drum	VOC	<0.01	<0.01
D-4105A	Grease Belding Drum	VOC	<0.01	<0.01
D-4106A	Catalyst Dispersion Drum	VOC	<0.01	<0.01
D-4106B	Catalyst Dispersion Drum	VOC	0.02	<0.01
D-4107	Hydraulic Oil Drum	VOC	0.01	<0.01
D-4110A	Donor Metering Drum	VOC	<0.01	<0.01
D-4110B	Donor Metering Drum	VOC	<0.01	<0.01
D-4504	Stabilizer Additive Drum	VOC	0.11	<0.01
		PM	0.03	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
D-4706	DLN Additive Drum	VOC	0.07	<0.01
T-4111	Bulk Donor Tank	VOC	<0.01	<0.01
D-FUG	D-Line Fugitives (5)	VOC (6)	2.78	12.17
		Ethylene	0.02	0.10
		Propylene	2.22	9.71
E-Line EPNs				
D-6103	TEAL Seal Pot Drum	VOC	<0.01	<0.01
D-6105	Grease Blending Drum	VOC	<0.01	<0.01
D-6105B	Oil Blending Drum	VOC	<0.01	<0.01
D-6106A	Catalyst Dispersion Drum	VOC	0.02	<0.01
D-6106B	Catalyst Dispersion Drum	VOC	0.02	<0.01
D-6107	Hydraulic Oil Drum	VOC	<0.01	<0.01
D-6110A	Donor Metering Drum	VOC	<0.01	<0.01
D-6110B	Donor Metering Drum	VOC	<0.01	<0.01
D-6113	Additive Drum Seal Pot	VOC	0.17	0.06
D-6850	DLX/ELX Peroxide Tank	VOC	0.04	0.01
T-6111	Bulk Donor Tank	VOC	<0.01	<0.01

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	Propylene	4.71	20.64	
C-Line, D-Line, and E-Line Polymer Transfer, Loading/Unloading, Extrusion and Vacuum Cleaning Systems				
M-2574	Railcar Unloading (Flake)	VOC	(7)	(7)
		PM	0.29	1.25
		PM ₁₀	0.29	1.25
		PM _{2.5}	0.29	1.25
S-2580	DLX Centralized Vent System	VOC	(7)	(7)
		PM	< 0.01	0.02
		PM ₁₀	< 0.01	0.02
		PM _{2.5}	< 0.01	0.02
D-4801-03	DLX Pellet Silos	VOC	(7)	(7)
F-4842	DLX Railcar Loading (Pellets)	VOC	(7)	(7)
		PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
F-5101	CLX Centralized Vent System	VOC	(7)	(7)
		PM	0.02	0.09
PM ₁₀ 0.02 0.09		PM _{2.5}	0.02	0.09
F-6802	ELX Centralized Vent System	VOC	(7)	(7)
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
F-5303	CLX Railcar Loading (Pellets)	VOC	(7)	(7)
Project Number: 343768		PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM	0.02	0.07

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ELX Railcar Loading (Pellets)	VOC	(7)	(7)	
		PM	0.02	0.09
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
F-5102	CLX Additive System	VOC	(7)	(7)
		PM	0.02	0.09
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
D-2501	Pellet Spin Dryer	VOC	(7)	(7)
		PM	0.15	0.24
		PM ₁₀	0.15	0.24
		PM _{2.5}	0.15	0.24
S-6862-1	Classifier Inside Drop	VOC	(7)	(7)
		PM	<0.01	<0.01
S-6862-2	Classifier Outside Drop	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		VOC	(7)	(7)
PM <0.01 <0.01				
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
Ancillary Equipment				
U-FUG	Utilities Fugitive (5)	VOC (6)	1.98	8.67
		Ethylene	0.26	1.14
		Propylene	1.58	6.93
PP-SAMPL	Sampling Vents	VOC	<0.01	<0.01
		PM	0.10	0.08
		PM ₁₀	0.10	0.08
		PM _{2.5}	0.10	0.08
PP-WWTR Project Number: 343768	Polypropylene Wastewater	VOC	1.95	0.87
MSS				

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		Propylene	4.71	20.64

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C-Line, D-Line, and E-Line Polymer Transfer, Loading/Unloading, Extrusion and Vacuum Cleaning Systems

M-2574	Railcar Unloading (Flake)	VOC	(7)	(7)
		PM	0.29	1.25
		PM ₁₀	0.29	1.25
		PM _{2.5}	0.29	1.25
S-2580	DLX Centralized Vent System	VOC	(7)	(7)
		PM	< 0.01	0.02
		PM ₁₀	< 0.01	0.02
		PM _{2.5}	< 0.01	0.02
D-4801-03	DLX Pellet Silos	VOC	(7)	(7)
F-4842	DLX Railcar Loading (Pellets)	VOC	(7)	(7)
		PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
F-5101	CLX Centralized Vent System	VOC	(7)	(7)
		PM	0.02	0.09
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
F-6802	ELX Centralized Vent System	VOC	(7)	(7)
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
F-5303	CLX Railcar Loading (Pellets)	VOC	(7)	(7)
		PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
F-6841-42	ELX Railcar Loading (Pellets)	VOC	(7)	(7)
		PM	0.02	0.09
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
Project Number: 343768		PM _{2.5}	0.02	0.09
F-5102	CLX Additive System	VOC	(7)	(7)
		PM	0.02	0.09

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PM _{2.5}				
0.02				
0.09				
D-2501	Pellet Spin Dryer	VOC	(7)	(7)
		PM	0.15	0.24
		PM ₁₀	0.15	0.24
		PM _{2.5}	0.15	0.24
S-6862-1	Classifier Inside Drop	VOC	(7)	(7)
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
S-6862-2	Classifier Outside Drop	VOC	(7)	(7)
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
Ancillary Equipment				
U-FUG	Utilities Fugitive (5)	VOC (6)	1.98	8.67
		Ethylene	0.26	1.14
		Propylene	1.58	6.93
PP-SAMPL	Sampling Vents	VOC	<0.01	<0.01
		PM	0.10	0.08
		PM ₁₀	0.10	0.08
		PM _{2.5}	0.10	0.08
PP-WWTR	Polypropylene Wastewater	VOC	1.95	0.87
MSS				
MSS41	C-Line Maintenance Shutdown	VOC	15.48	0.15
MSS42	D-Line Maintenance Shutdown	VOC	15.48	0.15
MSS43	E-Line Maintenance Shutdown	VOC	26.22	0.26
MSS44	Bullets Area Maintenance	VOC	26.22	0.01
MSS46	Shut-In Compressor Maintenance	VOC	0.01	<0.01
MSS47	D-Line Compressor Maintenance	VOC	0.01	<0.01
MSS48	E-Line Compressor Maintenance	VOC	0.01	<0.01
MSS49	C-Line Pump	VOC	0.01	<0.01

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<p>(b) 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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound. <0.01 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1</p>				
MSS51	E-Line Pump Maintenance	NO _x	0.06	<0.01
MSS52	Bullet Pump Maintenance	SO ₂	0.06	<0.01
MSS53	C-Line Commercial Shutdown	PM ₁₀	15.48	0.06
MSS54	D-Line Commercial Shutdown	PM _{2.5}	15.48	0.06
MSS55	E-Line Commercial Shutdown	CO	26.22	0.10
MSS56	E-Line Gas Phase Reactor Cleaning	VOC	11.04	0.14
MSS57	C-Line Filter Changes	VOC	0.03	<0.01
MSS58	D-Line Filter Changes	VOC	0.03	<0.01
MSS59	E-Line Filter Changes	VOC	0.03	<0.01
MSS60	C/D/E Instrument Maintenance	VOC	<0.01	<0.01
FL-3706 (MSS)	Repair/Replace (MSS)	VOC (6)	540.00	(8)
		Ethylene	540.00	(8)
		Propylene	540.00	(8)
		CO	383.79	(8)
		NO _x	74.50	(8)