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.	Source Name (2)	Air Contaminant Name (3)	Emission Rates		
(1)	Course Hame (2)	7 m Contaminant Hame (c)	lbs/hour	TPY (4)	
FL-3706	Elevated Flare	VOC (6)	153.73	77.69	
		Ethylene	153.73	77.69	
		Propylene	153.73	77.69	
		со	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	
		СО	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	VOC (5) (6)	0.84	2.44	
	Tower	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	

Xcel Marley 3 Cooling	VOC (5) (6)	1.02	2.97	
Tower		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
	Brain	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: 34376	8	D-Line EPNs		
D-4103	TEAL Seal Pot Drum	VOC	<0.01	<0.01

Grease Belding Drum	VOC	<0.01	<0.01	
D-4106A	Catalyst Dispersion	VOC	<0.01	<0.01
D-4106B	Drum Catalyst Dispersion	VOC	0.02	<0.01
D-4107	Drum 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	VOC	0.11	<0.01
	Drum	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		Propylene	2.22	9.71
E-Line EPNs D-6103	TEAL Seal Pot Drum	Propylene	<0.01	9.71
	Grease Blending			
D-6103		voc	<0.01	<0.01
D-6103 D-6105	Grease Blending Drum Oil Blending Drum Catalyst Dispersion	voc	<0.01 <0.01	<0.01 <0.01
D-6103 D-6105 D-6105B	Grease Blending Drum Oil Blending Drum	voc voc voc	<0.01 <0.01 <0.01	<0.01 <0.01 <0.01
D-6103 D-6105 D-6105B D-6106A	Grease Blending Drum Oil Blending Drum Catalyst Dispersion Drum Catalyst Dispersion	voc voc voc	<0.01 <0.01 <0.01 0.02	<0.01 <0.01 <0.01 <0.01
D-6103 D-6105 D-6105B D-6106A D-6106B	Grease Blending Drum Oil Blending Drum Catalyst Dispersion Drum Catalyst Dispersion Drum	voc voc voc voc	<0.01 <0.01 <0.01 0.02 0.02	<0.01 <0.01 <0.01 <0.01 <0.01
D-6103 D-6105 D-6105B D-6106A D-6106B D-6107	Grease Blending Drum Oil Blending Drum Catalyst Dispersion Drum Catalyst Dispersion Drum Hydraulic Oil Drum	voc voc voc voc voc	<0.01 <0.01 <0.01 0.02 0.02 <0.01	<0.01 <0.01 <0.01 <0.01 <0.01
D-6103 D-6105 D-6105B D-6106A D-6106B D-6107 D-6110A	Grease Blending Drum Oil Blending Drum Catalyst Dispersion Drum Catalyst Dispersion Drum Hydraulic Oil Drum Donor Metering Drum	voc voc voc voc voc voc voc voc	<0.01 <0.01 <0.01 0.02 0.02 <0.01 <0.01	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01
D-6103 D-6105 D-6105B D-6106A D-6106B D-6107 D-6110A D-6110B	Grease Blending Drum Oil Blending Drum Catalyst Dispersion Drum Catalyst Dispersion Drum Hydraulic Oil Drum Donor Metering Drum Donor Metering Drum Additive Drum Seal	VOC VOC VOC VOC VOC VOC VOC VOC	<0.01 <0.01 <0.01 0.02 0.02 <0.01 <0.01	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01
D-6103 D-6105 D-6105B D-6106A D-6106B D-6107 D-6110A D-6110B D-6113	Grease Blending Drum Oil Blending Drum Catalyst Dispersion Drum Catalyst Dispersion Drum Hydraulic Oil Drum Donor Metering Drum Donor Metering Drum Additive Drum Seal Pot DLX/ELX Peroxide	VOC	<0.01 <0.01 <0.01 0.02 0.02 <0.01 <0.01 <0.01 <0.01	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01

Project Number: 343768 Ethylene 2.23

2.23 9.76

Line Polymer Transfer, Loading/Unloading, Extrusion and Vacuum Cleaning Systems				
M-2574	Railcar Unloading (Flake)	VOC	(7)	(7)
	(Take)	РМ	0.29	1.25
		PM ₁₀	0.29	1.25
		PM _{2.5}	0.29	1.25
S-2580	DLX Centralized Vent	VOC	(7)	(7)
	SVSIEM	РМ	< 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)
		РМ	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)
	System	РМ	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)
		РМ	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)

D-4103

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
	J.a	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 Diamanaian			
	Catalyst Dispersion Drum	VOC	0.02	<0.01
D-6106B		voc voc	0.02	<0.01
D-6106B D-6107	Drum Catalyst Dispersion			
	Drum Catalyst Dispersion Drum	VOC	0.02	<0.01
D-6107	Drum Catalyst Dispersion Drum Hydraulic Oil Drum	voc voc	0.02 <0.01	<0.01
D-6107 D-6110A	Drum Catalyst Dispersion Drum Hydraulic Oil Drum Donor Metering Drum	voc voc	0.02 <0.01 <0.01	<0.01 <0.01 <0.01
D-6107 D-6110A D-6110B	Drum Catalyst Dispersion Drum Hydraulic Oil Drum Donor Metering Drum Donor Metering Drum Additive Drum Seal Pot	voc voc voc	0.02 <0.01 <0.01 <0.01	<0.01 <0.01 <0.01 <0.01

	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)
	(i laite)	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	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	3	PM	0.02	0.07
		PM ₁₀	0.02	0.07

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)
		РМ	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)
		РМ	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)
		РМ	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
S-6862-2	Classifier Outside	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
		РМ	0.10	0.08
		PM ₁₀	0.10	0.08
		PM _{2.5}	0.10	0.08
₱₽₽₩₩WIImber: 343768	Polypropylene Wastewater	voc	1.95	0.87
MSS				

	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	VOC	(7)	(7)
	(Flake)	PM	0.29	1.25
		PM ₁₀	0.29	1.25
		PM _{2.5}	0.29	1.25
S-2580	DLX Centralized Vent	VOC	(7)	(7)
	System	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)
	(Fellets)	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)
	Cyclem	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
Project Number: 343768	3	PM _{2.5}	0.02	0.09
F-5102	CLX Additive System	VOC	(7)	(7)
		DM	0.02	0.00

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	80.0
		PM_{10}	0.10	80.0
		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	VOC	26.22	0.26
MSS44	Bullets Area Maintenance	VOC	26.22	0.01
MSS46	Shintenance Maintenance	VOC	0.01	<0.01
MS €€7Number: 343768		VOC	0.01	<0.01
MSS48	E-Line Compressor	VOC	0.01	<0.01
MCC40	C Line Dume			

(த) டுந்துந்துந்து நிற்கு நிற்கு கூற்கு பிற்கு கூற்கு கூற்க குற்க கூற்க குடிக்க குடிக்க குடிக்க குற்க குற்க குற்க குற்க குற்க				
	name. For fugitive sour	ces, use area name or fugitive s	ource name.	
(8)0 Exempt Solvent -		ds or mixtures of carbon compo		s which have been
(9)06 xempt Solvent = <0.01 VOC = MS&51 =		ition of volatile organic compour		0.4.04.4
VOC -		nds as defined in Title 30 Texas		
NOX	tetainoxidemen nitrogen	VOC	0.06	<0.01
SO ₂ - MS S S 2 -	Maintenange totaletarticulate matter,	s V Sended in the atmosphere, i	r &@ ing PM ₁₀ and PM	₂≲,0a&1represented
PM ₁₀ - MSS53	C-Line Commercial	equal to or less than 10 microns VOC	15.48	PM ₂₅ , as 0.06
MS 254.5	Balticuste matter equal Balticuste Commercial Carbon monoxide	to or less than 2.5 microns in d VOC	ameter 15.48	0.06
(4) Compliance with ann (5) Emission rate is an e	ual emission limits (tons E-Line Commercial stimate and is enforceal Shutdown	per year) is based on a 12-mor ble through compliance with the OC species from this EPN are in lene and ethylene. NS with this note shall not exce	ith rolling period. applic able special con	dition(s) and
MS Ermit application rep (6) The allowable emissi	presentations E-Line Gas Phase Ion rates for inflingual V Reactor Cleanling	Species from this EPN are in	11.04 cluded in the total VO	0 14 C emission rates.
MS隻時 includes HRVO(7) The combined total \	ବ୍ୟୁମ୍ନ ଜନ୍ମ ବ୍ୟୁମ୍ନ ଜନ୍ମ ବ୍ୟୁମ୍ନ ଜନ୍ମ OC emissions for all EP	lene and ethylene. Ns with this note shall not exce	0.03 ed the emission rates i	<0.01 ndicated for EPN
MS558 ^{AP} . (8) The combined annua	D-Line Filter Changes I allowable emissions fo	VOC r this EPN are authorized under	0.03 EPN Elevated Flare.	<0.01
(%) ፍትቃ following EPNs a F-5303, F-6841-42, I	ተድ inፍሀ ቀቡቂ i rcha ny eS 0-2501, D-4801-03, S-68	Emission Cap: EPNs M-2574, S 862-1 and S-6862-2.	-2580, F-5101, F-5102	2 <u>-</u> 6802, F-4842,
MSS60	C/D/E Instrument Maintenance	VOC	<0.01	<0.01
FL-3706 (MSS)	(Revate/Replace(MSS)	VOC (6)	540. Onte: Septe	nder 01, 2023
		Ethylene	540.00	(8)
		Propylene	540.00	(8)
		СО	383.79	(8)
		NO _x	74.50	(8)