Permit Numbers 19200 and PSDTX1237

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)
		СО	13.99	40.69
4040/4007	Olefine Land II Flance (6)	NO _x	2.74	7.99
1018/1067	Olefins I and II Flares (6)	SO ₂	0.01	0.06
		VOC	10.39	15.41
B-242	Co-Catalyst Area Dip Pot	VOC	0.03	0.01
B-292A	Peroxide Dip Pot	VOC	0.05	0.01
B-292B	Peroxide Dip Pot	VOC	0.05	0.01
		PM	0.01	0.06
B-360	Pellet Buffer Vessel	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
B-406	Catalyst Slurry Prep System Dip Pot	VOC	0.05	0.01
	Pellet Buffer Vessel	PM	0.01	0.06
B-460		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
B-560	Pellet Buffer Vessel	PM	0.01	0.06
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
B-760	Pellet Buffer Vessel	PM	0.01	0.06
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
	Powder Vent Gas Filter	VOC	0.01	0.01
E 0.40		PM	0.04	0.06
F-343		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
F-346	Additive Feed Conveying Gas Filter	VOC	0.01	0.01
		PM	0.02	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
F-367	Pellet Water Pre-separator Sieve	PM	0.03	0.14

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02
		PM	0.03	0.14
F-368	Classifier	PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02
		PM	0.40	1.06
F-387A	Silos Cyclone Separator, Train No. 1	PM ₁₀	0.08	0.21
		PM _{2.5}	0.07	0.19
		VOC	0.01	0.01
E 440	5 1 1/ 10 511	PM	0.04	0.06
F-443	Powder Vent Gas Filter	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
	Additive Feed Conveying Gas Filter	VOC	0.01	0.01
E 440		PM	0.02	0.01
F-446		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
F-467	Pellet Water Pre-separator Sieve	PM	0.03	0.14
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02
F-468	Classifier	PM	0.03	0.14
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02
	Silos Cyclone Separator, Train No. 2	PM	0.40	1.06
F-487A		PM ₁₀	0.08	0.21
		PM _{2.5}	0.07	0.19
		PM	0.20	0.86
F-541	500 Line-Off Spec Silo Bag Filter	PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.16
	Powder Vent Gas Filter	VOC	0.01	0.01
F 540		PM	0.04	0.06
F-543		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		VOC	0.01	0.01
		PM	0.02	0.01
F-546	Additive Feed Conveying Gas Filter	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
		PM	0.03	0.14
F-567	Pellet Water Pre-separator Sieve	PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02
		PM	0.03	0.14
F-568	Classifier	PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02
	300/400 Line - Off Spec Silo Bag Filter	PM	0.59	2.29
F-575		PM ₁₀	0.12	0.46
		PM _{2.5}	0.11	0.41
	Silos Cyclone Separator, Train No. 3	PM	0.40	1.06
F-587A		PM ₁₀	0.08	0.21
		PM _{2.5}	0.07	0.19
F-705	Auto Packer Cyclone	PM	0.14	0.59
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.02	0.11
F-706A	Truck Silo Cyclone	PM	0.14	0.59
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.02	0.11
	Auto Packer Cyclone	PM	0.16	0.69
F-706B		PM ₁₀	0.03	0.14
		PM _{2.5}	0.03	0.12
		PM	0.14	0.59
F-711A	Hopper Silo Cyclone, Train No. 1	PM ₁₀	0.03	0.12
		PM _{2.5}	0.02	0.11
	PP1 Railcar Vacuum Cleaning System	PM	0.14	0.59
F-711B		PM ₁₀	0.03	0.12
		PM _{2.5}	0.02	0.11
F-711G		PM	0.40	1.59

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
	Streamer Remover Bag Filter, Train	PM ₁₀	0.08	0.32
	No. 4	PM _{2.5}	0.07	0.29
		PM	0.12	0.48
F-741	700 Line Off Spec Silo Bag Filter	PM ₁₀	0.02	0.10
		PM _{2.5}	0.02	0.09
		VOC	0.01	0.01
E 740	A LEG A MARK CON Files	PM	0.01	0.01
F-743	Additive Vent Gas Filter	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
		VOC	0.01	0.01
==		PM	0.01	0.01
F-743A	Powder Vent Bag Filter	PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
	Additive Feed Conveying Gas Filter	VOC	0.01	0.01
= - 40		PM	0.02	0.01
F-746		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
F-747 A	Bag Dumping Unit	PM	0.02	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
	Bag Dumping Unit	PM	0.02	0.01
F-747 B		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
	Bag Dumping Unit	PM	0.02	0.01
F-747 C		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
F-767	Pellet Water Pre-separator Sieve	PM	0.03	0.14
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02
F-768	Classifier	PM	0.03	0.14
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.02

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM	0.38	1.64
F-781A	Product Silo Cyclone Train No. 1	PM ₁₀	0.08	0.33
		PM _{2.5}	0.07	0.30
		PM	0.38	1.64
F-781B	Product Silo Cyclone Train No. 2	PM ₁₀	0.08	0.33
		PM _{2.5}	0.07	0.30
		PM	0.38	1.64
F-781C	Product Silo Cyclone Train No. 3	PM ₁₀	0.08	0.33
		PM _{2.5}	0.07	0.30
		PM	0.48	1.87
F-787	Silo Air Filters Train No. 4	PM ₁₀	0.10	0.37
		PM _{2.5}	0.09	0.34
	Silos Cyclone Separator, Train No. 4	PM	0.40	1.06
F-787A		PM ₁₀	0.08	0.21
		PM _{2.5}	0.07	0.19
	B Train Loading Station Cyclone Separator	PM	0.30	0.61
F-875		PM ₁₀	0.06	0.12
		PM _{2.5}	0.05	0.11
F-902	Filter Receiver	PM	0.03	0.07
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
	C Train Loading Station Cyclone Separator	PM	0.30	0.61
F-975		PM ₁₀	0.06	0.12
		PM _{2.5}	0.05	0.11
		PM	1.01	3.98
F-981	Product Silo Air Cyclone Train No. 4	PM ₁₀	0.20	0.80
		PM _{2.5}	0.18	0.72
	Cooling Tower	VOC	1.32	5.79
		PM	0.55	2.40
PO-CT		PM ₁₀	0.20	0.87
		PM _{2.5}	0.01	0.01
		Chlorine compounds	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
PP1-300	Downstream Pellet Handling PP-1, Train No. 1 (7)	VOC	2.75	3.03
PP1-400	Downstream Pellet Handling PP-1, Train No. 2 (8)	VOC	2.88	3.14
PP1-500	Downstream Pellet Handling PP-1, Train No. 3 (9)	VOC	2.39	3.16
PP1-700	Downstream Pellet Handling PP-1, Train No. 4 (10)	VOC	1.06	2.96
		VOC	0.44	1.93
		PM	0.18	0.80
PP1-CT	Cooling Tower	PM ₁₀	0.07	0.29
		PM _{2.5}	0.01	0.01
		Chlorine compounds	0.01	0.01
		VOC	13.19	57.76
		PM	0.05	0.27
PP1-FUG	Fugitives PP-1 Unit (5)	PM ₁₀	0.05	0.27
		PM _{2.5}	0.05	0.27
		Cl ₂	0.01	0.02
	Dryer Train No. 1	PM	0.33	1.21
T-367		PM ₁₀	0.07	0.24
		PM _{2.5}	0.06	0.22
T-467	Dryer Train No. 2	PM	0.45	1.89
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.08	0.34
	Dryer Train No. 3	PM	0.33	1.21
T-567		PM ₁₀	0.07	0.24
		PM _{2.5}	0.06	0.22
	Dryer Train No. 4	PM	0.41	1.76
T-767		PM ₁₀	0.08	0.35
		PM _{2.5}	0.07	0.32
Planned Maintena	ance, Startup and Shutdown (MSS)			
	MSS to Atmosphere	VOC	102.27	1.81
		PM	3.19	0.42
PP1-MAINT		PM ₁₀	3.19	0.42
		PM _{2.5}	3.19	0.42

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
1018/1067/PP1- TEMP (11)	Olefins I and II Flares MSS	CO	513.54	26.27
		NOx	71.24	3.55
		VOC	949.97	39.05

- (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

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented PM₁₀ - 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

Cl₂ - chlorine

Chlorine compounds - hypochlorous acid and hydrogen chloride

- (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) PP1 vents shall all be routed to one flare or the other.
- (7) Total VOC emissions from the following emissions points: B-360, F-367, F-368, F-387A, F-575, F-705, F-706A, F-706B, F-781A, F-711A, F-711B, F-975, and T-367.
- (8) Total VOC emissions from the following emissions points: B-460, F-467, F-468, F-487A, F-575, F-705, F-706A, F-706B, F-711B, F-711B, F-711B, F-781B, F-975, and T-467.
- (9) Total VOC emissions from the following emissions points: B-560, F-541, F-567, F-568, F-587A, F-705, F-706A, F-706B, F-711B, F-711B, F-711G, F-781C, F-975, and T-567.
- (10) Total VOC emissions from the following emissions points: B-760, F-705, F-706A, F-706B, F-711A, F-711B, F-711G, F-741, F-767, F-768, F-787, F-787A, F-975, F-981, and T-767.
- (11) The Olefins I and II Flares MSS emissions include emissions from the Olefins I Flare (EPN 1018) Olefins II Flare (EPN 1067) and portable flare (EPN PP1-TEMP).

Date:	June 17, 2020
Date.	Julic 17, 2020