

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 19201 and PSD-TX-760M4

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. 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	
			lb/hr	TPY
PE-FUG	Plant Fugitives (4)	VOC	2.76	12.10
		TSP	0.06	0.27
2-HDPE	Downstream Pellet Handling	VOC	4.96	21.73
3-HDPE	Downtstream Pellet Handling	VOC	2.48	10.85
3T501	3T-501 Hexane Tank	VOC	0.78	0.72
3T502	3T-502 Hexane Tank	VOC	0.47	0.72
3T503	3T-503 Hexane Tank	VOC	0.47	0.72
5T6010	Tank T-501	VOC	0.89	0.76
5T6020	Tank T-502	VOC	0.50	0.76
5T6030	Tank 2T-502	VOC	0.50	0.76
5T6040	Tank T-503	VOC	0.49	0.76
5T6050	Tank 2T-503	VOC	0.49	0.76
F-302	Powder Silo Bag Filter	TSP	0.10	0.42
2F-302	Powder Silo Bag Filter	TSP	0.10	0.42

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			<u>lb/hr</u>	<u>TPY</u>
3F-302	Powder Silo Bag Filter	TSP	0.10	0.43
F401	Powder Feed Hopper Bag Filter 0.01	TSP		<0.01
2F401	Powder Feed Hopper Bag Filter 0.01	TSP		<0.01
3F401	Powder Feed Hopper Bag Filter 0.01	TSP		<0.01
F408	Powder Feed Hopper Bag Filter 0.01	TSP		<0.01
2F408	Powder Feed Hopper Bag Filter 0.01	TSP		<0.01
3F408	Powder Feed Hopper Bag Filter 0.01	TSP		<0.01
3F708	Elutriate Bag Filter	TSP	0.15	0.65
F-701	Blend Silo Bag Filter	TSP	0.09	0.37
2F-701	Blend Silo Bag Filter	TSP	0.09	0.37
3F-701	Blend Silo Bag Filter	TSP	0.15	0.65
F-708A	Hopper Car Bag Filter F-708A	TSP	0.05	0.21
F-708B	Hopper Car Bag Filter F-708B	TSP	0.05	0.21

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			lb/hr	TPY
S-705	Packer Silo Cyclone Separator 0.28		TSP	0.06
2S-705	Packer Silo Cyclone Separator 0.28		TSP	0.06
S-707	Packer Silo Cyclone Separator 0.28		TSP	0.06
2S-707	Packer Silo Cyclone Separator 0.28		TSP	0.06
S-708A	Hopper Silo Cyclone Separator 0.28		TSP	0.06
S-708B	Hopper Silo Cyclone Separator 0.28		TSP	0.06
S-709A	Product Silos Cyclone Separator S-709A	TSP	0.06	0.28
S-709B	Product Silos Cyclone Separator S-709B	TSP	0.06	0.28
3S-709	Product Silo Cyclone	TSP	0.27	1.20
S405	Recycle Pellet Cyclone	TSP	0.27	0.10
2S405	Recycle Pellet Cyclone	TSP	0.27	0.10
3S405	Recycle Pellet Cyclone	TSP	0.27	0.10
3S708A	Hopper Silo Cyclone	TSP	0.27	0.09

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
3S708B	Hopper Silo Cyclone	TSP	0.27	0.09
V102	Catalyst Dip Pot	VOC	0.53	0.03
Z405	Additive Dust Collector	TSP	0.02	0.01
2Z405	Additive Dust Collector	TSP	0.02	0.01
Z410	Powder Vacuum Cleaner	TSP	0.01	<0.01
D301	HDPE Train A Dryer Vent	VOC	44.0	12.5
2D-301	HDPE Train A Dryer Vent	VOC	44.0	12.5
3D-301	HDPE Train A Dryer Vent	VOC	44.0	12.5
3-FUGITIVE	HDPE 3 Fugitives (4)	VOC	3.25	14.22
PO-CT	Cooling Tower Fugitives (4) 1.93	VOC		0.44
H-02	Thermal Incinerator (5)	VOC	1.94	8.52
		NO <sub>x</sub>	5.38	23.57
		CO	10.66	46.71
		SO <sub>2</sub>	0.03	0.12
		TSP	0.20	0.89

(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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

fugitive source name.

- (3) VOC - volatile organic compounds  
as defined in General Rule 101.1  
TSP - total suspended particulate  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide
- (4) Fugitive emission rates are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The emissions from the incinerator are the total emissions related to disposal of waste gases from the HDPE, LLDPE, and PP plants, not just the HDPE contribution.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day\_\_\_\_\_Days/week\_\_\_\_\_Weeks/year\_\_\_\_\_or Hrs/year 8,760

Dated\_\_\_\_\_