

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49041

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**
E-GU	Granule Unloading (4)	PM	0.11	0.07
		PM <sub>10</sub> <0.01	<0.01	
E-GS	Granule Silos (4)	PM	0.25	0.30
		PM <sub>10</sub> 0.01	0.01	
E-PDC	Plant Dust Collector for FINs F-SSAF, F-GHS10, and F-BHS03 through F-BHS05	PM/PM <sub>10</sub>	3.00	13.14
		CO	0.50	1.79
		VOC	1.31	5.74
E-PF	Plant Building (4)	PM	0.10	0.37
		PM <sub>10</sub> 0.01	0.03	
E-BU	Backing Unloading (4)	PM	<0.01	<0.01
		PM <sub>10</sub> <0.01	<0.01	
E-BSE	Backing Silo (East) Bin Vent Filter	PM/PM <sub>10</sub>	0.05	0.22
E-BSW	Backing Silo (West) Bin Vent Filter	PM/PM <sub>10</sub>	0.05	0.22
E-FU	Filler Unloading (4) FIN F-FU	PM	0.05	0.07
		PM <sub>10</sub>	0.02	0.03
E-FSN	Filler Silo (North) Bin Vent Filter	PM/PM <sub>10</sub>	0.08	0.35
E-FSS	Filler Silo (South) Bin Vent Filter	PM/PM <sub>10</sub>	0.08	0.35

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			lb/hr	TPY**
E-FUB	Filler Use Bin Dust Collector	PM/PM <sub>10</sub>	0.06	0.26
E-FH	Filler Heater Dust Collector	PM/PM <sub>10</sub>	0.10	0.44
E-PH	Process Heater Vent	PM/PM <sub>10</sub>	0.05	0.22
		CO	0.59	2.58
		NO <sub>x</sub>	0.71	3.11
		SO <sub>2</sub>	<0.01	0.02
		VOC	0.04	0.18
E-ME1, E-ME2, E-KO1, and E-KO2	Mist Eliminator No. 1, 120 ft. high vent	PM/PM <sub>10</sub> (total)	2.11	7.50
		CO (total)	3.93	14.01
		VOC (total)	18.41	65.49
	Mist Eliminator No. 2 Vent			
	Knockout Drum No. 1 Vent			
	Knockout Drum No. 2 Vent			
E-MS	Maintenance Shop Vent	VOC	1.83	0.05
E-FB	Filter Cleaning (4)	PM	0.07	<0.01
		PM <sub>10</sub>	0.02	<0.01
		CO	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
E-BV1, E-BV2 and E-BV3	Building Vent Nos. 1, 2 and 3	PM/PM <sub>10</sub> (total)	0.88	3.14
		CO (total)	<0.01	0.02
		VOC (total)	2.41	10.51
E-BV4, E-BV5, E-BV6, and E-BV7	Building Vent Nos. 4 through 7	PM (total)	3.86	16.92
		PM <sub>10</sub> (total)	1.29	5.65
		VOC (total)	2.24	9.81

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E-BV8 and E-BV10	Building Vent Nos. 8 and 10	PM	3.01	10.70
		PM <sub>10</sub>	2.96	10.54
		CO	0.28	1.01
		VOC	0.56	2.00

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.
- PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.
- CO - carbon monoxide

- (4) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated \_\_\_\_\_