

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 682E

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
BL3111	PVC Railcar Unloading Cyclone	PM (PVC)	0.14	0.61
TK3111A	PVC Silo A Cyclone	PM (PVC)	0.14	0.61
TK 3111B	PVC Silo B Cyclone	PM (PVC)	0.14	0.61
BL3114	MBS Conveyor Fabric	PM ₁₀ (MBS)	0.11	0.48
BL3113	PVC Charge Tank Cyclone	PM (PVC)	0.07	0.31
BL3161	Work Space Collectors Fabric Filter	PM ₁₀ (Additives)	0.06	0.26
BL3151	Pellets RCL Fabric Filter	PM (PVC)	0.04	0.18
FL3155	PVC Compound Loadout A Fabric Filter	PM (PVC)	0.04	0.18
CY3151	PVC Compound Loadout B Fabric Filter	PM (PVC)	0.04	0.18
BL3162	PVC Transfer Fabric Filter	PM ₁₀ (MBS)	0.04	0.18
CM3131	Roof Vent, Nash Pump	VOC	1.10	4.80
		PM (PVC)	0.07	0.30
		VCM	0.03	0.11
		EHTG	0.13	0.57

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY**
BL6111	PVC Railcar Unloading Fabric Filter	PM (PVC)	0.14	0.61
BL6113B	Head Tank Fabric Filter	PM ₁₀ (MBS)	0.10	0.44
BL6114	Head Tank Fabric Filter	PM (PVC)	0.18	0.81
BL6115	Storage Tank Fabric Filter 0.54	PM ₁₀ (Additives)		0.12
BL6116	Ingredient Tank Fabric Filter 0.72	PM (TiO ₂)		0.16
BL6117	Ingredient Tank Fabric Filter 0.36	PM ₁₀ (Additives)		0.08
BL6141	Cushion Tank Fabric Filter 0.61	PM (Compound)		0.14
BL6151	Service Hopper Fabric Filter 0.30	PM (Compound)		0.07
BL6155	Mixer/Cooler Fabric Filter 0.06	PM (Compound)		0.01
		VCM	0.10	0.44
		OMS	0.21	0.93
BL6156	Mixer/Roll Mill ESP	OMS	0.21	0.93
BL6157	Dicer Fabric Filter	PM (PVC)	0.07	0.30
BL6158	Dicer Cyclone	PM (Pellet)	0.02	0.09
BL6159	Cyclone CY-6154	PM (Pellet)	0.02	0.09
CY6111A/B	Silo Cyclone	PM (PVC)	0.10	0.44

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY**</u>
FL6143A				
CY6151	Tank Cyclone	PM (Pellet)	0.02	0.09
CY6152 CY6156	Hopper Car Cyclone	PM (Pellet)	0.02	0.11

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			lb/hr	TPY**
FL6142A/B FL6143B FL6144A/B/C FL6142C/D	Hopper Car/Silo Fabric	PM (Compound)	0.10	0.44
FL7201A/B/C	Bag House	PM ₁₀ (PVC)	0.10	0.44
DC7201	Bag Filter	PM ₁₀ (PVC)	0.15	0.66
BL6113A	Bag Filter	PM (CaCO ₃)	0.10	0.44
BL4111	BL4111	PM (PVC)	0.14	0.61
BL5143	BL5143	PM (Compound)	0.04	0.06
		OMS	0.01	0.02
		VCM	<0.01	0.01
CY4111 CY4112	CY4111 CY4112	PM (PVC)	0.16	0.70
BL5111	BL5111	PM (PVC)	0.14	0.61
BL5113A	BL5113A	PM ₁₀ (CaCO ₃)	0.10	0.44
BL5113B	BL5113B	PM ₁₀ (MBS)	0.10	0.44
BL5114	BL5114	PM (PVC)	0.18	0.81
BL5116	BL5116	PM ₁₀ (TiO ₂)	0.16	0.72
BL5117	BL5117	PM ₁₀ (Additives)	0.12	0.54
FL5151 FL5142A/B	FL5151 FL5142A/B	PM (Compound)	0.10	0.44

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY**
BL5155	BL5155	PM (Compound)	0.01	0.06
		VOC (VCM)	0.10	0.44
		VOC (OMS)	0.21	0.93
BL5141	BL5141	PM (Compound)	0.14	0.61
CY5111A/B	CY5111A/B	PM (PVC)	0.10	0.44
DC5151	DC5151	PM (Compound)	0.10	0.20
BL4113A	Bag Filter, FL-4115	PM ₁₀ (CaCO ₃)	0.10	0.44
BL4113B	Bag Filter, FL-4116	PM ₁₀ (MBS)	0.10	0.44
BL4114	Bag Filter, FL-4114	PM (PVC)	0.18	0.81
BL4116	Bag Filter, FL-4125, and others	PM ₁₀ (TiO ₂)	0.16	0.72
BL4117	Bag Filter, FL-4126, and others	PM ₁₀ (Additives)	0.08	0.36
BL4155	Vent Sock, FL-4131	PM ₁₀ (Compound)	0.01	0.06
		VCM	0.10	0.44
		OMS	0.21	0.93
BL4141	Bag Filter, FL-4141A/B	PM (Compound)	0.14	0.61
FL4142A/B FL4151 FL4143	Bag Filter	PM (Compound)	0.10	0.44
DC4151	Bag Filter, DC-4151	PM (Compound)	0.10	0.20

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY**
BL-7151	BL-7151	PM ₁₀ (CaCO ₃ , TiO ₂)	0.07	0.31
BL-7152	BL-7152	PM (Color MBS)	0.08	0.36
BL-6160	BL-6160	PM ₁₀ (CaCO ₃ , TiO ₂)	0.05	0.20
BL-5144	BL-5144	PM ₁₀ (CaCO ₃ , TiO ₂)	0.10	0.44
CL-7151	CL-7151	PM ₁₀ (CaCO ₃ , TiO ₂)	0.01	0.06
CY-7151A/B	CY-7151A/B	PM (PVC, Compound)	0.05	0.22
CY-7152	CY-7152	PM (PVC, Compound)		
CY-6156	CY-6156	PM (PVC, Compound)		
VP-7151	VP-7151 (4)	VOC	0.12	0.49
TK4511	Storage silo Bag filter, FL4511	PM ₁₀ (CaCO ₃)	0.13	0.09(5)
TK5511	Storage silo Bag filter, FL5511	PM ₁₀ (CaCO ₃)	0.13	(5)
TK6511	Storage silo Bag filter, FL6511	PM ₁₀ (CaCO ₃)	0.13	(5)
TK4115	Head tank Bag filter, FL4115	PM ₁₀ (CaCO ₃)	0.07	0.30(6)
TK5115	Head tank Bag filter, FL5115	PM ₁₀ (CaCO ₃)	0.07	(6)
TK6115	Head tank Bag filter, FL6115	PM ₁₀ (CaCO ₃)	0.07	(6)

- (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
- PM - particulate matter, suspended in the atmosphere, including PM₁₀.
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- PVC - polyvinyl chloride
- MBS - methacrylate butadiene styrene
- VCM - vinyl chloride monomer
- OMS - odorless mineral spirits
- EHTG - 2-ethylhexylthioglycolate
- TiO₂ - titanium oxide
- CaCO₃ - calcium carbonate
- (4) Fugitive emissions are an estimate only.
- (5) For TK4511, TK5511, and TK6511 only one will operate at any given time. Sum of emissions is shown.
- (6) For TK4115, TK5115, and TK6115 only one will operate at any given time. Sum of emissions is shown.

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

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760
Hrs/year

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

Date July 22, 2003