

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9402

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
FCC-46	Main Bag Filter	NO _x	2.6	11.5
		CO	0.2	0.9
		NH ₃	2.0	8.8
		PM ₁₀	1.2	5.3
FCC-50	Crude Unloading Bag Filter	PM ₁₀	<0.01	<0.01
FCC-51	Crude Product Bag Filter	PM ₁₀	<0.01	<0.01
FCC-52	Crude Product Bag Filter	PM ₁₀	<0.01	<0.01
FCC-53	Crude Product Bag Filter	PM ₁₀	<0.01	<0.01
FCC-54	Crude Product Bag Filter	PM ₁₀	<0.01	<0.01
FCC-55	Ventilation Air Bag Filter	PM ₁₀	<0.01	<0.01
FCC-58	Crude and Product Bag Filter 1.82		PM ₁₀	0.42
FCC-60	Vent Hood	NH ₃	5.0	21.9
FCC-61	Product Air Slide Bag Filter 0.38		PM ₁₀	0.09
FCC-62	Product Air Slide Bag Filter 0.38		PM ₁₀	0.09

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FCC-63	Product Vacuum Bag Filter	PM ₁₀	0.26	0.55
FCC-64	Blending Silo Bag Filter	PM ₁₀	0.24	0.51
FCC-65	Bulk Loading Station Vent Stack	PM ₁₀		0.30
	0.62			

AIR

CONTAMINANTS DATA

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>
FCC-66	Portable Bag Filter	PM ₁₀	0.09	0.19
FCC-67	Diesel Engine	NO _x	2.86	5.96
		CO	0.44	0.92
		PM ₁₀	0.32	0.67
		SO ₂	0.14	0.30
		VOC	0.22	0.46

(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) NO_x - total oxides of nitrogen

CO - carbon monoxide

NH₃ - anhydrous ammonia

PM₁₀ - particulate matter less than 10 microns in diameter

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in General Rule 101.1

* 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

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Dated _____