

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21995

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
VSP-1	S-1422 Flash Dryer Bag Filter	PM ₁₀	1.53	6.05
		NO _x	1.68	6.94
		CO	0.87	3.59
		VOC	0.14	0.59
		SO ₂	0.02	0.06
		NH ₃	0.03	0.11
VSP-2	S-1522 Flash Dryer Bag Filter	PM ₁₀	1.53	6.05
		NO _x	1.68	6.94
		CO	0.87	3.59
		VOC	0.14	0.59
		SO ₂	0.02	0.06
		NH ₃	0.03	0.11
VSP-3	Vacuum Vent	NH ₃	0.49	2.04
VSP-4	C-1822 Ammonia Stripper 0.07 Vent Scrubber		NH ₃	0.02
VSP-7	HCl Tank Scrubber **	HCl	0.05	0.03
VSP-8	NH ₃ Tank Vent Scrubber **	NH ₃	<0.01	<0.01
VSP-9	Steam Boiler **	PM ₁₀	0.62	1.76
		NO _x	7.57	21.64
		CO	4.31	12.32

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AIR CONTAMINANTS DATA

Emission Emission Rates *		Air Contaminant		
Point No. (1)	Source Name (2)	Name (3)	lb/hr	TPY
		VOC	0.71	2.04
		SO ₂	0.07	0.21
VSP-10	Tank T-1423	NH ₃	<0.01	<0.01
VSP-11	Tank T-1523	NH ₃	<0.01	<0.01
VSP-12	F-1422 Calciner	PM ₁₀	0.07	0.27
		NO _x	0.92	3.68
		CO	0.46	1.90
		VOC	0.08	0.32
		SO ₂	0.01	0.03
VSP-13	F-1522 Calciner	PM ₁₀	0.07	0.27
		NO _x	0.92	3.68
		CO	0.46	1.90
		VOC	0.08	0.32
		SO ₂	0.01	0.03
VSP-14	H ₂ SO ₄ Tank T-1151 **	H ₂ SO ₄	<0.01	<0.01
VSP-15	Tank 1965 Bag Filter	PM ₁₀	<0.01	<0.01

(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) 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.

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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Emission Emission Rates *		Source	Air Contaminant		
Point No. (1)		Name (2)	Name (3)	lb/hr	TPY
CO	-	carbon monoxide			
NH ₃	-	ammonia			
HCl	-	hydrochloric acid			
NH ₃	-	anhydrous ammonia			
H ₂ SO ₄	-	sulfuric acid			

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- * 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 8,250

- ** Emission rates for the HCl Tank Scrubber (EPN VSP-7), NH₃ Tank Vent Scrubber (VSP-8), Steam Boiler (VSP-9), and H₂SO₄ Tank T-1151 (VSP-14) are based on and the facilities are limited by a maximum operating schedule of 8,760 hrs/year.

Dated _____