

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
VSP-1	S-1422 Flash Dryer Bag Filter			PM10	1.53	6.05
				NOx	1.68	6.94
				CO	0.87	3.59
				VOC	0.14	0.59
				SO2	0.02	0.06
				NH3	0.03	0.11
VSP-2	S-1522 Flash Dryer Bag Filter			PM10	1.53	6.05
				NOx	1.68	6.94
				CO	0.87	3.59
				VOC	0.14	0.59
				SO2	0.02	0.06
				NH3	0.03	0.11
VSP-3	Vacuum Vent			NH3	0.49	2.04
VSP-4	C-1822 Ammonia Stripper Vent Scrubber			NH3	0.02	0.07
VSP-5	Rare Earth Oxides Bag Filter			PM10	0.03	0.03
VSP-6	Rare Earth Chlorides Scrubber			Cl2	0.50	0.46
				HCl	0.04	0.04
VSP-7	HCl Tank Scrubber **			HCl	0.05	0.02
VSP-8	NH3 Tank Vent Scrubber **			NH3	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
VSP-9	Steam Boiler **	PM10	0.54	1.76
		NOx	6.59	21.64
		CO	3.75	12.32
		VOC	0.62	2.04
		SO2	0.05	0.21
VSP-10	Tank T-1423	NH3	<0.01	<0.01
VSP-11	Tank T-1523	NH3	<0.01	<0.01
VSP-12	F-1422 Calciner	PM10	0.07	0.27
		NOx	0.92	3.68
		CO	0.46	1.90
		VOC	0.08	0.32
		SO2	0.01	0.03
VSP-13	F-1522 Calciner	PM10	0.07	0.27
		NOx	0.92	3.68
		CO	0.46	1.90
		VOC	0.08	0.32
		SO2	0.01	0.03
VSP-14	H2SO4 Tank T-1151 **	H2SO4	<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) PM10 - particulate matter less than 10 microns  
VOC - volatile organic compounds as defined in General Rule 101.1  
NOx - total oxides of nitrogen  
SO2 - sulfur dioxide  
CO - carbon monoxide  
NH3 - ammonia  
HCl - hydrochloric acid  
NH3 - anhydrous ammonia  
H2SO4 - sulfuric acid  
Cl2 - chlorine

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

- \* 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.