

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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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		
HPC-12	Spray Dryer			NOx	2.30	9.68
				PM10	3.09	13.00
				CO	0.82	3.44
				VOC	0.14	0.57
				SO2	0.01	0.06
HPC-12	NOx Scrubber			NOx	10.00	42.00
				PM10	0.52	2.18
				NH3	0.74	3.11
HCK-8	HCK Stack			NOx	0.35	1.42
				PM10	0.60	2.43
				CO	0.07	0.28
				VOC	0.02	0.07
				SO2	<0.01	<0.01
HPC-15	CO(NO3)2 Tank			HNO3	0.04	<0.01
HPC-16	HNO3 Tank			HNO3	0.09	0.03
HPC-17	MOLOX BIN			PM10	0.03	0.02
HPC-18	Dust Conveyor Bag Filter			PM10	0.25	1.04
HPC-23	Belt Dryer Stack			NOx	1.96	8.16
				PM10	0.10	0.42
				CO	0.70	2.94
				VOC	0.12	0.50
				SO2	0.01	0.05
HPC-24B	Calciner 2			NOx	0.97	4.08

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
			PM10	0.05		0.21
			CO	0.35		1.47
			VOC	0.06		0.25
			SO2	<0.01		0.03

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### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
HPC-26	Dryer Bypass	NOx	0.83	3.45
		PM10	0.04	0.18
		CO	0.30	1.24
		VOC	0.05	0.21
		SO2	<0.01	0.02
HPC-29	Boiler	NOx	2.20	9.64
		PM10	0.10	0.43
		CO	0.68	2.99
		VOC	0.11	0.50
		SO2	0.01	0.05
HPC-30	Mix Dose Tank 2	HNO3	<0.01	<0.01
HPC-31	Base Storage Hopper Bagfilter	PM10	0.03	0.14
HPC-32	Base Sin A Bagfilter	PM10	<0.01	0.02
HPC-33	Base Bin B Bagfilter	PM10	<0.01	0.02
HPC-34	Base Bin C Bagfilter	PM10	<0.01	0.02
HPC-35	Dust Bin A Bagfilter	PM10	<0.01	0.02
HPC-36	Dust Bin B Bagfilter	PM10	<0.01	0.02
HPC-37	Scale Hopper Bagfilter	PM10	<0.01	0.02
HPC-38	Extruder I Bagfilter	PM10	<0.01	0.02
HPC-39	Extruder II Bagfilter	PM10	<0.01	0.02
HPC-40	Extruder III Bagfilter	PM10	<0.01	0.02
HPC-42	ADM Storage Tank	NH3	0.15	<0.01

HPC-43	Ribbon Mixer Bagfilter	PM10	<0.01	0.02
HPC-46	Ni(NO3)2 Tank	HNO3	0.04	<0.01

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- (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  
HNO3 - nitric acid
- \* Emission rates are based on and the facilities are limited by the maximum operating schedules represented in the permit renewal application of December 1992.

Dated\_\_\_\_\_