

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9518

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		
E-1	Kiln Stack			PM10	1.5	0.7
				PM	5.7	2.7
				VOC	7.1	4.3
				CO	0.3	0.3
				SO2	73.6	23.06
				NOx	11.9	3.6
				Nickel (PM)	0.05	0.033
F-1	Catalyst Decanting			VOC	0.2	0.03
F-2	Loading			VOC	0.8	0.02
F-3	Catalyst Feed			VOC	0.7	0.7
F-4	Feed End of Kiln			PM	0.01	0.01
F-5	Thermal Oxidizer Clean-up			PM	0.01	0.01
F-6	Cooling Tower Clean-up			PM	0.01	0.01
F-7	Baghouse Dust Discharge			PM	0.4	0.04
F-8	Kiln Discharge End			PM	0.04	0.06
F-10	Screening Hopper			PM	<0.001	<0.001
F-11	Screening Baghouse			PM	<0.01	<0.01
F-12	Shear Hopper No.1			PM	0.008	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
F-13		Shear Baghouse No.1		PM	0.003	0.08
F-14		Shear Hopper No.2		PM	0.008	0.02
F-15		Shear Baghouse No.2		PM	0.003	0.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		
			lb/hr	TPY	
F-17		Incinerator Loading and Ash Clean-out	PM	0.01	0.01
			VOC	0.1	0.1
F-18		Drum Cleaning & Crushing	PM	0.01	0.01
F-19		Fire Hood Material Recovery	PM	0.2	0.02
F-20		Baghouse, P20	PM	0.13	0.04

- (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  
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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day 24 Days/week 7 Weeks/year 50 or Hrs/year         

Dated