

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20800

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
HF-01	HF Process Vent	SO ₂	6.0	26.3
		HF	0.15	0.68
		PM ₁₀	<0.01	0.02
HF-04F	HF Process Fugitives (4) 1.2		HF	0.27
		HFC	2.3	10.0
		HCFC	2.9	12.5
		SO ₂	0.08	0.37
HF-05	Reactor Heater Vent	NO _x	0.48	2.1
		CO	0.1	0.42
		VOC	0.03	0.11
		PM ₁₀	0.02	0.1
HF-07F	Spar Handling Fugitives (4) 0.01		PM	<0.01
		PM ₁₀	<0.01	<0.01
HF-08	North Silo Vent	PM	0.6	2.6
		PM ₁₀	0.16	0.70
HF-09	South Silo Vent	PM	0.6	2.6
		PM ₁₀	0.16	0.70
HF-10	Feed Bin Vent	PM	0.15	0.66
		PM ₁₀	0.04	0.18

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
HF-12	Spar Dryer Vent	CO	2.1	9.2
		NO _x	5.4	23.6
		VOC	0.08	0.37
		PM ₁₀	1.67	7.3
HF-13F	CaSO ₄ Pile Fugitives (4) 0.07		PM	0.02
		PM ₁₀	0.01	0.03

(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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

HF - hydrogen fluoride

HFC - hydrofluorocarbons

HCFC - hydrochlorofluorocarbons

CaSO₄ - calcium sulfate

(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 _____ Days/week _____ Weeks/year _____ or Hrs/year 8,760

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