

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19109

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	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Q1INC	Incinerator	VOC	2.49	4.45
		NO <sub>x</sub>	11.68	29.28
		CO	5.84	14.64
HSFLARE	Flare (5)	VOC	6.75	0.14
		NO <sub>x</sub>	0.52	0.01
		CO	2.66	0.05
Q1CT	Cooling Tower	VOC	0.13	0.55
Q1V4010	Tempered H <sub>2</sub> O Vent	VOC	0.09	0.38
Q1FUG	Process Fugitives (4)	VOC	9.20	40.30
		Chlorine	0.09	0.38
		Freon	0.03	0.12
Q1F01324	Mixer Feed Hopper	VOC	3.75	16.40
		PM	<0.01	<0.01
Q1F4036	Catalyst Feeder Filter	PM	<0.01	<0.01
Q1F4037	Catalyst Feeder Filter	PM	<0.01	<0.01
Q1F4901	Catalyst Feeder Filter	PM	<0.01	<0.01
Q1R4001	Reactor Seed	PM	0.77	<0.01
Q1F01223	Rotary Airlock Filter	PM	<0.01	0.02

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
Q1F01310C	Silo Filter	PM	0.26	0.05
Q1F01309	Master Batch Filter	PM	0.26	0.05
Q1F01327A/B	Additive Filter	PM	0.09	0.12
Q1F0153	Rail Unload Filter	PM	0.10	0.10
Q1D01426	Pellet Dryer Vent	PM	0.39	1.73
Q1F01426	Transfer Air Filter	PM	1.03	4.51
Q1F15003	Loading Filter A	PM	0.56	1.45
Q1F15004	Loading Filter B	PM	0.56	1.45

(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) VOC - volatile organic compounds as defined in General Rule 101.1

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

PM - particulate matter

H<sub>2</sub>O - water

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

(5) Emissions attributable only to facilities authorized by Permit No. 19109.

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

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

\_\_\_\_\_Hrs/day    \_\_\_\_\_Days/week    \_\_\_\_\_Weeks/year or    8,760 Hrs/year

Dated\_\_\_\_\_