

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9597

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 Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
Y-C-1	Furnace F-9180	VOC	0.08	0.35
		PM	0.26	1.14
		NO _x	0.48	2.10
		CO	0.08	0.35
Y-C-101	Furnace F-91180	VOC	0.03	0.15
		PM	0.03	0.14
		NO _x	0.65	2.85
		CO	0.13	0.57
Y-D-1 or Y-D-101 (5)	Organic Flare X-9845 or X-98145	VOC	5.60	11.72
		PM ₁₀	10.70	8.20
		Inorganic Acid	0.16	0.66
		NO _x	1.19	3.20
		CO	9.19	15.86
Y-D-2	Inorganic Flare X-9846	VOC	2.50	0.20
		PM ₁₀	37.50	8.24
		NO _x	0.52	1.96
		CO	2.67	10.50
Y-E-1	Seal Pot D-9102	VOC	0.01	0.01
Y-E-2	Oil Scrubber D-9104	VOC	0.03	0.01
		PM	1.82	1.58
Y-E-102	Oil Scrubber D-91104	VOC	0.03	0.01
		PM	1.82	1.58

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			<u>lb/hr</u>	<u>TPY</u>
Y-E-4	Baghouse SF-9620	PM ₁₀	0.01	0.05
Y-E-5	Baghouse B-9420	PM ₁₀	0.05	0.19
Y-E-105	Baghouse B-94120	PM ₁₀	0.05	0.19
Y-E-6	Baghouse B-9440	PM ₁₀	0.19	0.74
Y-E-106	Baghouse B-94140	PM ₁₀	0.19	0.74
Y-E-7	Vacuum Pump Discharge VP-9840	VOC	0.04	0.05
Y-E-107	Vacuum Pump Discharge VP-98140	VOC	0.04	0.05
Y-E-8	Dust Filter SF-9514	PM ₁₀	<0.001	<0.005
Y-E-108	Dust Filter SF-95114	PM ₁₀	<0.001	<0.005
Y-E-9	Dust Filter SF-9524	PM ₁₀	<0.001	<0.005
Y-E-109	Dust Filter SF-95124	PM ₁₀	<0.001	<0.005
Y-E-10	Dust Filter SF-9534	PM ₁₀	<0.001	<0.005
Y-E-110	Dust Filter SF-95134	PM ₁₀	<0.001	<0.005
Y-E-11	Dust Filter SF-9624	PM ₁₀	<0.001	<0.005
Y-E-12	Dust Filter SF-9610	PM ₁₀	<0.002	<0.01
Y-E-13	Dust Filter SF-9160	PM ₁₀	<0.004	0.02
Y-E-14	Vent LE-14	PM	3.39	0.26

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			<u>lb/hr</u>	<u>TPY</u>
Y-E-15	Vacuum Pump Discharge LE-7B <0.008	VOC	<0.002	<0.002
Y-E-115	Vacuum Pump Discharge LE-107B	VOC	<0.002	<0.008
Y-E-16	Vent K-9230	PM	<0.001	0.002
Y-E-116	Vent K-92130	PM	<0.001	0.002
Y-E-17	Vacuum Pump Discharge VP-9394	VOC	0.02	0.01
Y-E-18	Vent R9510/9520/9530	PM	0.13	0.40
Y-E-118	Vent R95110/95120/95130	PM	0.13	0.40
Y-E-19	Vent K-9240	PM	<0.002	<0.002
Y-E-119	Vent K-92140	PM	<0.002	<0.002
Y-E-20	Dust Filter SF-9655	PM ₁₀	<0.001	<0.005
Y-E-120	Dust Filter SF-96155	PM ₁₀	<0.001	<0.005
Y-E-21	Dust Filter SF-9615	PM ₁₀	<0.001	<0.005
Y-E-121	Dust Filter SF-96115	PM ₁₀	<0.001	<0.005
Y-E-22	Dust Filter SF-9544	PM ₁₀	<0.001	<0.005
Y-E-122	Dust Filter SF-95144	PM ₁₀	<0.001	<0.005
Y-E-23	Vent K-9511	PM	0.01	0.02
Y-E-123	Vent K-95111	PM	0.01	0.02

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			<u>lb/hr</u>	<u>TPY</u>
Y-E-24	Vent K-9521	PM	0.01	0.02
Y-E-124	Vent K-95121	PM	0.01	0.02

EMISSIONS FROM SOURCE MAXIMUM ALLOWABLE EMISSION RATES

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
Y-E-25	Filter LE-23	VOC	0.02	0.03
Y-E-125	Filter LE-123	VOC	0.02	0.03
Y-E-26	Vent LE-42	VOC	0.003	<0.001
Y-E-126	Vent LE-142	VOC	0.003	<0.001
Y-E-27	Vent LE-47	VOC	0.002	<0.001
Y-E-127	Vent LE-147	VOC	0.002	<0.001
Y-E-28	Vent K-9250	PM	<0.001	<0.002
Y-E-29	Vent SF-9554	PM ₁₀	<0.001	<0.005
Y-E-129	Vent SF-95154	PM ₁₀	<0.001	<0.005
Y-GZ-1	Fugitives (4)	VOC	3.78	16.57
		PM	0.87	3.80
		MeCl ₂	0.10	0.44

(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 in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

MeCl₂ - methyl chloride

CO - carbon monoxide

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

(5) Emission limits are cumulative for the emission point numbers shown.

* 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

Dated _____