

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4056

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)lb/hr	Emission Rates *	
			TPY	
<u>CARBON MONOXIDE UNIT</u>				
51MH5A	Heater MH-5A	PM	0.34	1.34
		VOC	0.41	1.60
		NO _x	10.74	41.98
		SO ₂	0.30	1.19
		CO	2.40	9.36
51MJ9	Start-up Eductor MJ-009	PM	0.02	<0.01
		VOC	0.02	<0.01
		NO _x	0.36	0.08
		SO ₂	<0.01	<0.01
		CO	0.07	0.02
51MJ138	Start-up Eductor MJ-138	PM	0.02	<0.01
		VOC	0.02	<0.01
		NO _x	0.36	0.08
		SO ₂	<0.01	<0.01
		CO	0.07	0.02
51MJ139	Start-up Eductor MJ-139	PM	0.02	<0.01
		VOC	0.02	<0.01
		NO _x	0.36	0.08
		SO ₂	<0.01	<0.01
		CO	0.07	0.02
51MN157	Flare MN-157	VOC	13.01	0.65
		NO _x	60.04	5.20
		SO ₂	9.58	1.15
		CO	514.75	29.42

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)lb/hr	Emission Rates *	
			TPY	
51COFUG	Fugitives (4)	VOC	8.45	37.01
		SO ₂	2.78	12.16
		CO	16.28	71.30
		CFC-12	6.96	30.50
		NH ₃	<0.01	0.01
<u>ACETIC ACID UNIT</u>				
49T149	Scrubber System	VOC	1.25	0.88
49V578	Scavenger Tank	VOC	1.63	0.02
49V598	Exposure Device	VOC	0.02	0.07
		Iodide	<0.01	<0.01
49V601	Scavenger Tank	VOC	0.57	0.02
49V604	Condensate Tank	VOC	<0.01	<0.01
49V1049	HAc Tank	VOC	0.46	0.09
49V1195	Methyl Acetate Storage Tank	VOC	0.22	0.57
49MN138	Flare	VOC	1.78	7.60
		NO _x	1.54	6.73
		CO	5.99	26.24
49MN294	Loading Thermal Oxidizer	VOC	0.65	1.22
		NO _x	0.44	1.31
		CO	10.64	38.30
49HACLDFUG	Loading Fugitives (4)	VOC	8.13	15.45

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)lb/hr	Emission Rates *	
			TPY	
49HACFUG	Equipment Fugitives (4)	VOC	3.47	15.25
		CO	0.44	1.87
		LiI	0.04	0.18
		KI	<0.01	0.01

- (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
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
CFC-12 - Freon (dichlorodifluoromethane)
NH₃ - ammonia
LiI - lithium iodide
KI - potassium iodide
- (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

Dated_____