

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1302

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)	#/hr	TPY	PP-2 Startup Flare
VOC	501.76			24.56	
		CO		475.58	29.41
		NO _x		119.84	4.90
		NH ₃		88.44	5.24
PP-3	Operating Flare			VOC	24.00
				CO	171.22
				NO _x	19.97
PP-10	Scrubber			HCl	0.56
					<0.01
PP-29	Scrubber			HCl	0.60
					0.04
PP-32A	Tank			VOC	0.06
					0.15
PP-32B	Tank			VOC	1.20
					4.10
PP-32J	Tank			VOC	0.12
					0.16
PP-32K	Tank			VOC	0.03
					<0.01
PP-32L	Tank			INORGANIC	<0.01
					<0.01
PP-32P	Tank			VOC	0.01
					0.04
PP-32R	Tank			VOC	0.01
					0.02
PP-32S	Tank			VOC	0.01
					0.02
PP-32T	Tank			VOC	0.01
					0.05
PP-32X	Tank			VOC	0.77
					0.75

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>#/hr</u>	<u>TPY</u>	
PP-32Y	Tank		VOC	0.77	2.36
PP-32Z	Tank		VOC	<0.01	0.02
PP-32AC	Tank		VOC	0.02	<0.01

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Point No. (1)	Name (2)	Name (3)	#/hr	TPY
PP-39	Incinerator	VOC	0.20	0.12
		CO	0.10	0.50
		NO _x	25.00	8.75
PP-40A	Boiler **	VOC	1.62	7.10
		CO	56.70	248.40
		NO _x	490.00	2146.20
PP-55	Fugitive (4)	VOC	2.97	12.99
		INORGANIC	0.14	0.61
PP-56	Fugitive (4)	VOC	1.46	6.41
PP-57	Fugitive (4)	VOC	1.06	4.63
		INORGANIC	0.03	0.11
PP-59A	Tank	VOC	4.36	3.43
PP-59B	Tank	VOC	1.28	4.10
PP-61	Absorber	VOC	2.90	1.17
PP-62A	Ammonia Flare	VOC	0.27	0.02
		CO	0.08	<0.01
		NO _x	54.84	3.30
		NH ₃	40.50	2.43
PP-70A	Scrubber	INORGANIC	<0.01	<0.01
PP-70B	Scrubber	INORGANIC	<0.01	<0.01
PP-70C	H2O Seal	VOC	0.01	<0.01
PP-70D	H2O Seal	VOC	0.01	<0.01
PP-74	Fugitive (4)	VOC	1.72	7.55
PP-78	Fugitive (4)	VOC	4.82	21.11

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>#/hr</u>	<u>TPY</u>	
			INORGANIC	0.15	0.66
PP-82	Dust Collector		VOC	<0.01	<0.01
PP-90	Unloading Spot		VOC	<0.01	<0.01

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Point No. (1)	Name (2)	Name (3)	#/hr	TPY	
PP-91	Unloading Spot		VOC	15.00	0.72
PP-96A	Tank		VOC	<0.01	<0.01
PP-106A	Tank		VOC	0.17	0.03
PP-108B	Tank		VOC	0.36	0.34
PP-108C	Tank		VOC	0.23	0.47
PP-108D	Tank		VOC	0.23	0.09
PP-108E	Tank		VOC	0.01	0.03
PP-108F	Tank		VOC	0.42	0.68
PP-108G	Tank		VOC	0.26	0.13
PP-108H	Tank		VOC	0.23	0.48
PP-108I	Tank		VOC	0.42	0.68
PP-108J	Tank		VOC	0.28	2.61
PP-112	Unloading Spot		VOC	0.20	<0.01
PP-113	HCN Loading Flare		VOC	18.00	2.40
			NO _x	0.74	0.24
			CO	6.37	2.09
PP-130A	Tank		VOC	<0.01	0.01
PP-130B	Tank		VOC	<0.01	0.01
PP-130C	Tank		VOC	<0.01	0.01
PP-130D	Tank		INORGANIC	<0.01	0.01

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Point No. (1)	Name (2)	Name (3)	#/hr	TPY		
PP-130E	Tank			INORGANIC	<0.01	<0.01
PP-131C	Tank			VOC	3.46	0.77
PP-131D	Tank			VOC	3.46	0.77

PP-131E	Tank	VOC	<0.01	<0.01
PP-131F	Tank	VOC	3.50	0.77
PP-131G	Tank	VOC	3.50	0.77
PP-133B	Tank	VOC	<0.01	<0.01
PP-139	Loading Spot	VOC	<0.01	<0.01
PP-140	Unloading Spot	INORGANIC	<0.01	<0.01
PP-141	Loading Spot	VOC	<0.01	<0.01
PP-144	Fugitive (4)	VOC	0.57	2.51
		NH ₃	0.97	4.26
PP-145	Fugitive (4)	VOC	0.21	0.90
PP-146	Fugitive (4)	VOC	0.98	4.29
PP-147	Fugitive (4)	VOC	0.60	2.63
PP-148	Fugitive (4)	VOC	0.14	0.59
PP-149	Fugitive (4)	VOC	0.11	0.49
PP-150	Fugitive (4)	VOC	0.14	0.59
PP-160	Fugitive (4)	VOC	0.89	3.88
PP-171	Carbon Filter	VOC	<0.01	<0.01
PP-173	Fugitive (4)	VOC	0.04	0.15
PP-174	Fugitive (4)	INORGANIC	0.08	0.32

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- (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_x - total oxides of nitrogen
CO - carbon monoxide
HCl - hydrogen chloride
NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

** Pound per hour emission rates are based on rolling 30 day average.

* 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 _____