

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5040

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)	<u>lb/hr</u>	<u>TPY</u>
AAFLARE	Flare	NO _x	0.82	3.58
		CO	4.18	18.29
		SO ₂	0.02	0.10
PW5206	250-HP Pump Motor (5)	NO _x	7.72	3.28
		CO	1.66	0.71
		VOC	0.42	0.18
		PM	0.54	0.23
		SO ₂	0.51	0.22
PW5207	250-HP Emergency Generator (5) 3.28	NO _x		7.72
		CO	1.66	0.71
		VOC	0.42	0.18
		PM	0.54	0.23
		SO ₂	0.51	0.22
AATFFUG	Tank Farm Fugitives (4)	VOC	0.20	0.89
AABFUG	Barge Loading Fugitives (4) 0.23		VOC	0.05
AARTFUG	Truck/Rail Loading Fugitives (4) 0.61		VOC	0.14
AAFUG	Process Fugitives (4)	VOC	3.48	15.24
		CO	10.20	44.67
		IOC-U	0.06	0.24
		I ₂	0.01	0.05
		Cl ₂	0.01	0.05
		Freon 22	0.43	1.90

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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>

Phase I Operation:

AASCV5238	AA Tank 5238 Scrubber	VOC	0.66	0.09
AASCV5250	AA Tank 5250 Scrubber	VOC	0.14	0.05
AASCV5251	AA Tank 5251 Scrubber	VOC	0.14	0.05
AASCV5252	AA Tank 5252 Scrubber	VOC	0.14	0.02
AASCV5118	AA Tank 5118 Scrubber	VOC	0.65	0.10
AASCV5129	AA Tank 5129 Scrubber	VOC	0.65	0.10
AABSTK	Barge Loading	VOC	26.35	13.63
AARTSC	Rail/Truck Loading Scrubber 0.01	VOC		0.09
AAV5209	Methanol Storage Tank 5209 0.50	VOC		0.20
AAV5210	Methanol Storage Tank 5210 0.50	VOC		0.20
AALHW	Waste Acid Loading Fugitives (6)	VOC	0.37	0.02

Phase II Operation:

AASCV5238	AA Tank 5238 Scrubber	VOC	0.66	0.10
AASCV5250	AA Tank 5250 Scrubber	VOC	0.20	0.06
AASCV5251	AA Tank 5251 Scrubber	VOC	0.20	0.06
AASCV5252	AA Tank 5252 Scrubber	VOC	0.20	0.03
AASCV5118	AA Tank 5118 Scrubber	VOC	0.65	0.11

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
AASCV5129	AA Tank 5129 Scrubber	VOC	0.65	0.11
AABSC	Barge Loading Scrubber	VOC	0.41	0.25
AARTSC	Rail/Truck Loading Scrubber 0.01	VOC		0.09
AAV5209	Methanol Storage Tank 5209 0.61	VOC		0.25
AAV5210	Methanol Storage Tank 5210 0.61	VOC		0.25
AALHW	Waste Acid Loading Fugitives (6)	VOC	0.37	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) NO_x - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in General Rule 101.1

PM - particulate matter

SO₂ - sulfur dioxide

IOC-U - inorganic compounds (unspeciated)

I₂ - iodide

Cl₂ - chlorine

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

(5) Emission rates for PWW5206 and PWW5207 are based on and the facilities are limited by a maximum operating schedule of 850 hrs/year.

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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>

(6) Emission rates for AALHW are based on and the facilities are limited by a maximum operating schedule of 20 hrs/year.

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/year

Dated _____