

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
AACT	South Cooling Tower	VOC	0.14	0.63
AAFLARE	Flare	NO _x	0.82	3.58
		CO	4.18	18.29
		SO ₂	0.02	0.10
PWW5206	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
PWW5207	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)	VOC	0.05	0.23
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		Cl ₂	0.01	0.05
		Freon 22	0.43	1.90

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	36.50	13.63
AARTSC	Rail/Truck Loading Scrubber	VOC	0.09	0.02
AAV5209	Methanol Storage Tank 5209	VOC	0.20	0.50
AAV5210	Methanol Storage Tank 5210	VOC	0.20	0.50
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
AASCV5252	AA Tank 5252 Scrubber	VOC	0.20	0.03
AASCV5118	AA Tank 5118 Scrubber	VOC	0.65	0.11
AASCV5129	AA Tank 5129 Scrubber	VOC	0.65	0.11
AABSC	Barge Loading Scrubber	VOC	0.41	0.25
AARTSC	Rail/Truck Loading Scrubber	VOC	0.09	0.02
AAV5209	Methanol Storage Tank 5209	VOC	0.25	0.61
AAV5210	Methanol Storage Tank 5210	VOC	0.25	0.61
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 30 Texas Administrative Code Section 101.1
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
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.

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

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- * 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 May 17, 2001