

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4751

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) <u>TPY**</u>	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lb/hr	
QE6801U	Barge Vapor Combustor	CO	3.51	1.69
		NO _x	0.41	0.21
		PM ₁₀	0.03	0.02
		SO ₂	0.05	0.47
		VOC	9.24	3.42
BRGLOSS	Barge Loading Losses	VOC	24.24	8.96
VAFUG	Process Fugitives (4)	VOC	4.37	19.14
VATFFUG	Tank Farm Fugitives (4)	VOC	0.17	0.76
VARTFUG	Rail/Truck Loading Fugitives (4) 0.19	VOC		0.04
VABFUG	Barge Dock Fugitives (4)	VOC	0.03	0.12
VACT	North Cooling Tower	VOC	1.89	8.28
VAV573	VAM Storage Tank	VOC	0.72	1.37
VAV574	VAM Storage Tank	VOC	0.72	1.37
VAV575	VAM Storage Tank	VOC	0.64	0.98
VAV576	VAM Storage Tank	VOC	0.64	0.98
VAV577	VAM Storage Tank	VOC	0.64	0.98
VAV605	VAM Storage Tank	VOC	1.07	1.30

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
VAV787	VAM Storage Tank	VOC	1.09	1.70
VAV5117	VAM Storage Tank	VOC	1.09	1.70
VAV5521	VAM Storage Tank	VOC	1.34	2.31
VAV580SC	Acid Rerun Tank Scrubber	VOC	2.66	0.16
VAV578SC	Acid Feed Storage Scrubber	VOC	2.53	0.17
VAV579SC	Acid Feed Storage Scrubber	VOC	2.53	0.17
VAV614	Wash Water Holding Tank	VOC	2.01	0.14
AARTSC	Rail/Truck Loading Scrubber	VOC	12.84	3.42
TRLLOSS	Rail/Truck Loading Losses	VOC	24.24	8.96
RCSLOSS	Railcar Sampling Losses	VOC	5.90	0.98
VAFLARE	Flare	VOC	81.97	37.79
		NO _x	15.26	8.65
		CO	78.04	39.26
		SO ₂	2.83	2.43
VAMCATOX	Catalytic Oxidizer	VOC	1.56	6.74
		NO _x	0.20	0.59
		CO	1.01	3.00
		PM ₁₀	1.04	4.51
		SO ₂	0.04	0.06
VAMCATFUG	Catalytic Oxidizer Fugitives (4)	VOC	0.01	0.01
VAWW1	South Aeration Pond	VOC	0.17	0.75

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VAWW2	Offspec Pond	VOC	7.97	34.90
VAWW3	Equalization Pond	VOC	0.04	0.17
VAWW4	Storm Surge Pond	VOC	0.26	1.16
VAWW5	North Aeration Pond	VOC	0.16	0.69
VAFLARE_HRFUG	HRVOC Analyzer Fugitives	VOC	0.03	0.11
VACTHR_SYS1	HRVOC Cooling Tower Analyzer 1	CO	0.01	0.01
		NO _x	0.01	0.01
		VOC	0.01	0.01
VACTHR_SYS2	HRVOC Cooling Tower Analyzer 2	CO	0.01	0.01
		NO _x	0.01	0.01
		VOC	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) CO - carbon monoxide

NO_x - total oxides of nitrogen

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

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(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 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.

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