

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
QE6801U	Barge Vapor Combustor	CO	3.03	0.86
		NO _x	0.35	0.10
		PM	0.03	0.01
		PM ₁₀	0.03	0.01
		PM _{2.5}	0.03	0.01
		SO ₂	0.05	0.03
		VOC	8.03	2.98
BRGLOSS	VAM Barge Loading Losses	VOC	4.04	1.49
VAFUG	Process Fugitives (5)	VOC	5.17	22.86
		Chlorine	0.12	0.51
		Ammonia	0.13	0.57
VATFFUG	Tank Farm Fugitives (5)	VOC	0.18	0.77
VARTFUG	Rail/Truck Fugitives (5)	VOC	0.04	0.19
VABFUG	Barge Dock Fugitives (5)	VOC	0.03	0.12
VACT	North Cooling Tower	VOC	1.89	8.28
		PM	2.03	8.90
		PM ₁₀	1.29	5.66
		PM _{2.5}	0.44	1.90
VAV573	VAM Storage Tank 573	VOC	0.45	-
VAV574	VAM Storage Tank 574	VOC	0.72	-
VAM Storage Tank 573 and 574 Annual Cap		VOC	-	3.75
VAV575	VAM Storage Tank 575	VOC	0.65	-
VAV576	VAM Storage Tank	VOC	0.65	-

Emission Sources - Maximum Allowable Emission Rates

	576			
VAV577	VAM Storage Tank 577	VOC	0.65	-
VAM Storage Tank 575, 576, and 577 Annual Cap		VOC	-	2.56
VAV605	VAM Storage Tank 605	VOC	1.16	1.50
VAV787	VAM Storage Tank 787	VOC	1.16	1.70
VAV5117	VAM Storage Tank 5117	VOC	0.81	0.99
VAV5521	VAM Storage Tank 5521	VOC	0.78	1.16
VAV578SC	Acetic Acid Feed Storage	VOC	3.10	-
		VOC (6)	1.54	-
VAV579SC	Acetic Acid Feed Storage	VOC	3.08	-
		VOC (6)	1.54	-
Acetic Acid Feed Storage Annual Cap		VOC	-	0.46
		VOC (6)	-	0.23
AARTSC	Truck/Rail Loading Scrubber	VOC	12.90	3.57
TRLLOSS	Truck/Rail Loading Losses	VOC	6.30	2.33
RCSLOSS	Railcar Sampling Losses	VOC	2.95	0.74
VAFLARE	VAM Flare	VOC	90.24	37.79
		NO _x	16.07	9.77
		CO	81.89	49.79
		SO ₂	3.00	3.24

Emission Sources - Maximum Allowable Emission Rates

VAMCATOX	Catalytic Oxidizer	VOC	1.56	6.74
		NO _x	0.20	0.59
		CO	1.01	3.00
		PM	1.04	4.51
		PM ₁₀	1.04	4.51
		PM _{2.5}	1.04	4.51
		SO ₂	0.04	0.06
VAMCATFUG	Catalytic Oxidizer Fugitives (5)	VOC	0.01	0.01
VAWW1	South Aeration Pond	VOC	0.09	0.11
VAWW2	Offspec Pond	VOC (7)	20.38	40.27
VAWW3	Equalization Pond	VOC	14.95	8.00
VAWW4	Storm Surge Pond	VOC	12.80	13.46
VAWW5	North Aeration Pond	VOC	0.09	0.11
VAFLARE_HRFUG	HRVOC Analyzer Fugitives	VOC	0.03	0.11
VACTHR_SYS1	HRVOC Cooling Tower Analyzer 1	VOC	0.01	0.01
VACTHR_SYS2	HRVOC Cooling Tower Analyzer 2	VOC	0.01	0.01
VAMATN_AYZ	VAM A Train Analyzer House	VOC	0.01	0.01
VAMBTN_AYZ	VAM B Train Analyzer House	VOC	0.01	0.01
VAMCTN_AYZ	VAM C Train Analyzer House	VOC	0.01	0.01
VAMPTF_AYZ	Product to Farm Analyzer House	VOC	0.01	0.01
VAWWENG	Diesel Engine	VOC	0.04	0.19
		NO _x	0.21	0.92
		CO	0.05	0.21
		PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	0.05	0.22
--	--	-----------------	------	------

- (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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) These emission limits become effective upon replacement of the scrubbers with more efficient units. These replacements were authorized by Standard Permit 152573.
- (7) Emissions from the waste water collection system are included in the specified emission rates.

Date: May 12, 2021