

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 Name (3)	Source lb/hr TPY	Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
VAFUG	Process Fugitives (4)	VOC	9.10	39.86	
VAHWFUG	Incinerator Fugitives (4)	VOC	0.10	0.45	
VATFUG	Storage Fugitives (4)	VOC	0.21	0.90	
VARTFUG	Rail/Truck Loading (4) Fugitives	VOC	0.08	0.35	
VABFUG	Barge Loading Fugitives (4)	VOC	0.02	0.08	
VACT	North Cooling Tower	VOC	0.25	1.08	
AACT	South Cooling Tower	VOC	0.14	0.63	
VAV 573	VAM Storage Tank	VOC	0.41	1.00	
VAV 574	VAM Storage Tank	VOC	0.41	1.00	
VAV 575	VAM Storage Tank	VOC	0.41	0.52	
VAV 576	VAM Storage Tank	VOC	0.41	0.52	
VAV 577	VAM Storage Tank	VOC	0.41	0.52	
VAV 605	VAM Storage Tank	VOC	0.65	0.90	
VAV 787	VAM Storage Tank	VOC	0.41	1.05	
VAV 5117	VAM Storage Tank	VOC	0.56	1.05	

VAV 5521

VAM Storage Tank

VOC

0.53

1.69

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Emission Name (3)	Source		Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
	lb/hr	TPY				
VAV 580	Acid Rerun Tank Scrubber		VOC	1.76		0.11
VAV 578	Acetic Acid Feed Storage		VOC	0.06		0.01
VAV 579	Acetic Acid Feed Storage		VOC	0.06		0.01
VAV 614	Wash Water Holding Tank		VOC	0.03		0.13
VAV 599	Incinerator Feed Tank		VOC	2.87		0.86
VAWW5555	Holdup Tank		VOC	1.24		0.28
VAV 778	Rail/Truck Loading Scrubber		VOC	0.43		1.06
VA Flare	Flare		VOC	4.28		18.73
			NO <sub>x</sub>	2.81		12.32
			CO	14.33		62.76
			SO <sub>2</sub>	<0.01		0.07
			SO <sub>3</sub>	<0.01		0.08
			H <sub>2</sub> S	<0.01		<0.01
VAINC	Incinerator Stack		VOC	0.50		2.20
			NO <sub>x</sub>	6.00		26.28
			PM	4.80		21.00
			CO	1.00		4.38
VAWW1	South Aeration Pond		VOC	0.17		0.75
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

- (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.

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#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
SO<sub>3</sub> - sulfur trioxide  
H<sub>2</sub>S - hydrogen sulfide
- (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\_\_\_Days/week\_\_\_Weeks/year\_\_\_or Hrs/year 8,760

Dated\_\_\_\_\_