

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

C-19043

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 #/hr TPY	Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
OX-1	Combu-Changer Vent	VOC	3.28		13.97
		CO	14.08		60.00
		NOx	0.64		2.79
		SO <sub>2</sub>	0.01		0.02
		PM	0.03		0.11
V-4002	Barge/Tanker Loading	VOC	8.81		0.50
V-4003	TC/TT Loading	VOC	1.26		0.70
VD-3041	Cumene Decanter	VOC			<0.01
VS-3041	Cumene Surge Tank	VOC			<0.01
V-113	Extracted AMS Tank	VOC	0.04		0.12
V-114	Refined AMS Tank	VOC	0.126		0.221
V-2001A	Wastewater Tank	VOC	0.159		0.105
V-2001B	Wastewater Tank	VOC	0.001		0.003
V-2001C	Wastewater Tank	VOC	0.001		0.003
V-2004	Extracted AMS Tank	VOC	0.079		0.113
V-2007	AMS/Water Tank	VOC	0.004		0.017
V-2010A	Sprung Phenol Tank	VOC	<0.01		<0.01
V-2012	Waste Oil Decanter	VOC	0.003		0.015
V-2015	Phenolic WW Sump	VOC	0.003		0.002
V-2601	Phenolic Waste Tank	VOC	0.030		0.056
V-3024	Recycle Cumene Tank	VOC	0.010		0.042

V-303A	Batch Dist. Receiver	VOC	3.359	0.137
V-303B	Batch Dist. Receiver	VOC	0.095	0.012
V-303C	Batch Dist. Receiver	VOC	0.095	0.012

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Emission Name (3)	Source #/hr TPY	Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
V-303D	Batch Dist. Receiver	VOC	0.095	0.012	
V-304A	Miscellaneous Receiver	VOC	0.022	0.029	
V-304B	Miscellaneous Receiver	VOC	0.022	0.029	
V-305	Miscellaneous Receiver - Cumene	VOC	0.022	0.095	
V-3062	CHP Surge Tank	VOC	0.113	0.074	
V-3094	Crude Product Tank	VOC	0.174	0.115	
V-3106A	Phenol Rundown Tank	VOC	0.085	0.056	
V-3106B	Phenol Rundown Tank	VOC	0.085	0.056	
V-3110	Crude AMS Tank	VOC	0.010	0.043	
V-3111	Residue Col Feed Tank	VOC	0.063	0.041	
V-3112	AP Distillate Tank	VOC	0.419	0.279	
V-3202A	Acetone Tank	VOC	0.160	0.699	
V-3202B	Acetone Tank	VOC	0.160	0.699	
V-3203	Crude Acetone Tank	VOC	0.141	0.618	
V-3204	Aldyd Collection Tank	VOC	0.130	0.569	
V-3406A	Batch Extractor	VOC	0.005	0.022	
V-3406B	Batch Extractor	VOC	0.004	0.065	
V-3406C	Batch Extractor	VOC	0.004	0.065	
V-3407A	Off-Test Phenol Tank	VOC	0.824	0.058	
V-3407B	Off-Test Phenol Tank	VOC	0.824	0.058	
V-3409	Phenate Tank	VOC	0.039	0.131	

V-3410	Tar Tank	VOC	0.066	0.288
V-3411	Phenate Tank	VOC	0.039	0.082
V-3603A	Miscellaneous Tank	VOC	0.182	0.120
V-3603B	Miscellaneous Tank	VOC	0.182	0.120

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Emission Name (3)	Source #/hr TPY	Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
V-3603C	Miscellaneous Tank	VOC	0.182	0.002	
V-413	Extracted AMS Tank	VOC	0.043	0.122	
V-502A	Product Phenol Tank	VOC	2.186	1.200	
V-502B	Product Phenol Tank	VOC	2.186	1.200	
V-502C	Product Phenol Tank	VOC	2.186	1.200	
V-501	Acetone Field Tank	VOC	0.203	0.849	
V-504	Acetone Field Tank	VOC	0.203	0.849	
V-OWSep	Oil/Water Separator	VOC	0.034	0.023	
VR-PLSwr	Phenolic Sewer Riser	VOC		0.044	
V-ASP	WW Treatment (Tanks V-3402B, V-4002, V-4004A, and V-4004B)	VOC	1.142	5.000	
W-3005	Cooling Tower	VOC	<0.01	<0.01	
FUG-1	Oxidizer Area Fugitives (4)	VOC	2.45	10.42	
FUG-2	Purification Area Fugitives (4)	VOC	5.01	21.35	

(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 General Rule 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter

CO - carbon monoxide

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

\* 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 8760

Revised \_\_\_\_\_