EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 emis-sion rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facil-ities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emissi</u>	<u>on</u>
Rates* Point No. (1)	Name (2)	Name (3)	1b/hr	
TPY				
0X-1	Combu-Changer Vent	VOC CO	3.28 14.08	13.97 60.00
		NO _x	0.64	2.79
		SO ₂	0.01	0.02
		PM	0.03	0.11
M-4016	Boiler	VOC	0.18	0.79
		CO	2.70	11.84
		NO _x	4.44 1.12	19.46 4.91
		SO₂ PM	0.32	1.40
		111	0.32	1.10
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

V-2001C Wastewater Tank VOC 0.001 0.003

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emissi</u>	on_
Rates* Point No. (1)	Name (2)	Name (3)	lb/hr	
<u>TPY</u>				
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
V-303D	Batch Dist. Receiver	VOC	0.095	0.012
V-304A	Miscellaneous Receiv	er VOC	0.022	0.029
V-304B	Miscellaneous Receiv	er VOC	0.022	0.029
V-305	Miscellaneous Receiv 0.095 Cumene	er -	VOC	0.022

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

			332011 1011	
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
		AIR CONTAMIN	NANTS DATA	A
Emission	Source Ai	r Contaminant	<u>Emissio</u>	<u>n</u> _
Rates* Point No. (1) TPY	Name (2)	Name (3)	lb/hr	
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-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

VOC

0.005

0.022

Batch Extractor

V-3406A

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	EMISSION SOURCES -	MAXIMUM ALLOWABLE	EMISSION RATES	
V-3406B	Batch Extractor	VOC	0.004 0.0	065
V-3406C	Batch Extractor	VOC	0.004 0.0	065
V-3407A	Off-Test Phenol Tank	VOC	0.824 0.0	058
V-3407R	Off-Test Phenol Tank	VOC	0.824 0.0	158

AIR CONTAMINANTS DATA

Emission Rates*	Source	Air Contaminant	Emission	<u>1</u>
Point No. (1) TPY	Name (2)	Name (3)	1b/hr	
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
V-3603C	Miscellaneous Tank	VOC	0.84	0.23
V-413	Extracted AMS Tank	VOC	0.043	0.122
V-501	Acetone Field Tank	VOC	0.54	2.04
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-504	Acetone Field Tank	VOC	0.54	2.04

	EMISSION SOURCES - MA	AXTMUM ALLOWARIE E	MTSSTON RA	TFS
V-0WSep	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-4 and V-4004B)	VOC 1004A,	1.142	5.000
FUG-1	Oxidizer Area Fugitive 10.42	es (4)	VOC	2.45
		AIR CONTAM	MINANTS DA	ГА
Emission	Source A	ir Contaminant	<u>Emissi</u>	on_
Rates* Point No. (1) TPY	Name (2)	Name (3)	lb/hr	
FUG-2	Purification Area Fugitives (4)	VOC	5.01	21.35
designation of (2) Specific fugitive sour (3) VOC 101.1 NO _x - total SO ₂ - sulfur PM - partic CO - carbon (4) Fugitive	 volatile organic con oxides of nitrogen dioxide culate matter 	r from plot plan. or fugitive source npounds as defined mate only and shou	s use area in Genera	
	s are based on and the imum operating schedul		mited by t	he
Hrs/day_ Hrs/year <u>8,76</u>	Days/week_ 60	Weeks/y	year	_ or

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FMTSSTON	SOURCES	_	MAXTMIIM	ALLOWABLE	FMTSSTON	RATES	
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