Permit No. 21865

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.

Emission *	Source	Air Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	Emissions Allowables Proj	S Prior to Completion ect	of MPP 3d	Cel1
MPP-9	Tank T-813	DTBP	0.005	0.020
MPP-19	Product Packout and Comfort Ventilation	Acid Chloride Alcohols Chloroformate Diluent Ketone TBHP TAHP Organic Peroxides DIB DTBP	0.001 0.047 0.001 0.059 0.003 0.008 0.342 0.010 0.380 0.949	0.001 0.011 0.001 0.075 0.004 0.006 0.272 0.007 0.015 0.030
MPP-25	Cabinet V-107	РМ	0.18	0.12
MPP-26	V. Pump P-106	РМ	0.33	0.22
MPP-27	Cabinets V-204	РМ	0.36	0.10
MPP-28	Tank T-205	Organic Acid	0.16	0.03
MPP-29	Acid Storage Tank	H_2SO_4	<0.001	<0.001
MPP-30	Tank T-1101	Ethylene Glycol	<0.001	<0.001

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
MPP-31	Tank T-203	H_2SO_4	<0.001	<0.001

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
MPP-38	Caustic Scrubber A-12	Chloroformate Chloroformate Alcohols Diluent Hydrogen Peroxide Ketone TBHP TAHP Organic Peroxide DTBP DTAP DIB Isoamylene Cyclic Ether Cyclic Peroxide	0.057 0.382 0.954 0.004 0.177 0.118 0.077 0.374 1.812 0.272 0.286 4.12 0.057 0.039	0.024 0.405 1.232 0.001 0.256 0.228 0.059 1.109 3.030 0.016 0.594 0.331 0.054 0.034
MPP-FUG	Fugitives (4)	VOC	0.81	2.61
	Proj	owing the Completion ect OROPEROXIDES EMISSION		Ce11
MPP-37	Wastewater Tank		0.115	0.257
MPP-39	Thermal Oxidizer			
	ORGANIC	PEROXIDES EMISSION C	AP	
MPP-37	Wastewater Tank		0.498	1.79
MPP-39	Thermal Oxidizer			

CYCLIC PEROXIDES EMISSION CAP

Emission *	Source	Air Contaminant	<u>Emissior</u>	n Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	<u>TPY</u>
MPP-39	Thermal Oxidizer		0.001	0.001

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
		DTBP EMISSION CAP		
MPP-9	Tank T-813		0.605	0.105
MPP-37	Wastewater Tank			
MPP-39	Thermal Oxidizer			
		ALCOHOLS EMISSION CAP		
MPP-37	Wastewater Tank		0.194	0.455
MPP-39	Thermal Oxidizer			
		DILUENTS EMISSION CAP		
MPP-37	Wastewater Tank		1.375	2.296
MPP-39	Thermal Oxidizer			
	C	YCLIC ETHERS EMISSION CAP		
MPP-37	Wastewater Tank		0.012	0.004
MPP-39	Thermal Oxidizer			
		KETONES EMISSION CAP		
MPP-37	Wastewater Tank		0.007	0.014
MPP-39	Thermal Oxidizer			

PM EMISSION CAP

Emission *	Source	Air Contaminant	<u>Emissior</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
MPP-25	Cabinets V-107 and V-108		0.963	0.629

Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
MPP-26	V. Pump P-106			
MPP-27	Cabinets V-204 and V-	-208		
MPP-39	Thermal Oxidizer			
		mission Allowables Fo P 3d Cell Project	llowing th	e
MPP-28	Tank T-205	Organic Acid	0.174	0.058
MPP-29	Acid Storage Tank	H_2SO_4	<0.001	<0.001
MPP-30	Tank T-1101	Ethylene Glycol	<0.001	<0.001
MPP-31	Tank T-203	H_2SO_4	<0.001	<0.001
MPP-39	Thermal Oxidizer	Acid Chloride Chloroformate Cumene Acetic Anhydride DIB Isoamylene SO ₂ NO _x CO TOC HCl	0.050 0.001 0.002 0.014 0.007 0.089 0.001 0.100 0.021 0.005 0.747	0.047 0.001 0.003 0.018 0.013 0.008 0.002 0.439 0.093 0.023 0.706
FUG	Fugitives (4)	VOC	0.844	6.334

⁽¹⁾ Emission point identification - either specific equipment designation or emission point number from plot plan.

Emission	Source	Air Contaminant	<u>Emission Rates</u>
<u>*</u>			
Point No. (1)	Name (2)	Name (3)	lb/hr TPY

⁽²⁾ Specific point source name. For fugitive sources use area name or fugitive source name.

(3)	DTBP - ditertiary butyl peroxide
	- volatile organic compounds as defined in General Rule 101.1
	- tertiary butyl hydroperoxide
TAHP	- tertiary amyl hydroperoxide
	- ditertiary amyl peroxide
DIB	- diisobutylene
PM	- particulate matter
H_2SO_4	- sulfuric acid
SO_2	- sulfur dioxide
NO_{x}	- total oxides of nitrogen
CO	- carbon monoxide
TOC	- total organic carbon from combustion of natural gas
	- hydrogen chloride
	Fugitive emissions are an estimate only and should not be
cons	idered as a maximum allowable emission rate.
	ion rates are based on and the facilities are limited by the
T0110	owing maximum operating schedule:
	_Hrs/dayDays/weekWeeks/year or8,760 _Hrs/year
	Dated