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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	Emission Rates *		
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>	
H9200	Incinerator	VOC NO_x CO PM_{10} SO_2 Acetone	24.1 11.0 0.9 0.4 <0.1 8.9	10.0 14.1 1.2 0.5 <0.1 8.0	
F8300	Heavy Ends Furnace	VOC NO_x CO PM_{10} SO_2	<0.1 1.6 0.4 0.2 <0.1	0.2 7.6 1.9 0.8 <0.1	
F8301	Regen. Furnace	VOC NO_x CO PM_{10} SO_2	0.1 0.3 0.1 0.1 0.1	0.1 0.1 0.1 0.1 0.1	
D306/D307	Phenol Tanks	VOC	53.2	5.0	
D313	Toluene Tank	VOC	7.9	0.7	
D342	Cumene Tank (5)	VOC	18.1	2.4	
D342	Cumene Tank (6)	VOC	40.8		
D390	Acetone Tank	Acetone	1.7	2.0	
D391	Acetone Tank	Acetone	1.7	2.0	

Emission	Source	Air Contaminant	Emission	mission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>	
D392	Acetone Tank	Acetone	1.7	2.0	
D393	Benzene Tank	VOC	0.46	1.2	
D394	Cumene Tank	VOC		1.5	
D395	Cumene Tank	VOC		0.5	
D394/D395	Cumene Tanks	VOC	35.3		
D400	Cumene Tank	VOC	4.2	0.5	
D402/D403	Phenol Tanks	VOC	6.2	5.1	
EX67	Caustic Tank	Caustic	0.5	0.1	
S303A	Sulfuric Acid Tank	H ₂ SO ₄	0.1	0.1	
EX80	Wastewater Tank	VOC Acetone	0.4 <0.1	0.4 0.2	
WRACKFE	Acetone Land Loading Fugitives (4)	Acetone	6.7	5.4	
SCRWRTC/ SCRWRTT	Acetone Land Loading Vent Scrubbers	Acetone	1.2	1.0	
V9300	Phenol Land Loading	VOC	2.9	0.6	
PAUFE	Phenol 2 Fugitives (4)	VOC	11.2	48.6	
ANALYZER	Process Analyzers	VOC	0.1	0.2	
CWT13	Cooling Water Tower	VOC	2.1	9.2	
CPI	CPI Separator	VOC	4.0	3.0	

Emission	Source	Air Contaminant	Emissio	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>	
EPFLARE	East Property Flare	VOC	27.0	15.8	
		NO _x	1.6	1.0	
		СО	8.2	4.8	
V8217	V-8217 Relief Drum	VOC	0.1	0.4	
E8256	Cleavage Reactor Vent	Acetone	1.3	5.7	
E8309	Acetone Finishing Column	Acetone	1.0	4.4	
A1333	HIPA Flare (7)	VOC	0.1	0.4	
	(1)	NO _x	0.1	0.6	
		CO	0.9	4.0	
CWT18	Cooling Water Tower	VOC	2.1	9.2	
D345	Acetone Tank	Acetone	0.7	1.1	
F335	Acetone Tank	Acetone	0.8	0.9	
F354	Acetone Tank	Acetone	2.1	4.0	
FUGPAU3	Phenol 3 Fugitives (4)	VOC	2.6	11.5	
		Acetone	0.5	2.2	
G330	Cumene Tank	VOC		15.2	
G331	Cumene Tank	VOC		15.2	
G330/G331	Cumene Tanks	VOC	40.8		

Emission	Source	Air Contaminant	Emission	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
H87002	Thermal Oxidizer	VOC NO_x CO PM_{10} Acetone	6.7 0.9 0.5 <0.1 1.5	26.7 3.9 2.2 0.1 3.4	
T87301	Acetone Tank	Acetone	0.6		
T87302	Acetone Tank	Acetone	0.6		
T87301/T87302	Acetone Tanks	Acetone		3.8	
T665	Acetone Tank	Acetone	0.4	1.0	
V8342	Vent Stream Collection Vessel	VOC	<0.1	0.2	
P87107	Diesel Engine (Fire Water Pump)	VOC NO_x CO PM_{10} SO_2	0.6 7.4 1.6 0.5 0.5	<0.1 0.4 <0.1 <0.1 <0.1	
P87921	Diesel Engine (Demin. Water Pump)	VOC NO_x CO PM_{10} SO_2	0.2 1.9 0.4 0.1 0.1	<0.1 <0.1 <0.1 <0.1 <0.1	

⁽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 30 Texas Administrative Code Section 101.1
 - NO_x total oxides of nitrogen
 - CO carbon monoxide
 - PM_{10} particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 - SO₂ sulfur dioxide Caustic - sodium phenate H₂SO₄ - sulfuric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission limit during normal operations.
- (6) Emission limit in the event that it becomes necessary to offload a cumene barge into Tank D342.
- (7) The emission rates listed for the HIPA Flare include only the Phenol 3 contributions to the flare. The HIPA flare has additional grandfathered emissions of 1.2 lb/hr (5.3 TPY) of propylene and 1.8 lb/hr (7.9 TPY) of propane that are not included in the allowables on this table.

*	Emission rates a schedule:	ire based c	n and the	facilities	are li	imited	by the	following	maximun	n operatin	3
	Hrs/day	/	Days/v	veek		W	eeks/ye	ar or	8,760	_Hrs/year	

D	ate	a	