

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. S-18925

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EP-1	Processing Area Stack A	HCl or Cl ₂	<0.01	<0.01
EP-2	Processing Area Stack B	NaOCl	2.75	0.07
EP-3	Boiler	VOC	0.09	0.40
		CO	0.17	0.76
		NO _x	0.82	3.64
		PM	0.04	0.16
		SO ₂	0.01	0.02
EP-4	TEA Tank	TEA	0.03	<0.01
Neu	Neutralization Tank	VOC	<0.01	<0.01
EP-5	Fugitives - Tank Farm (4)	VOC	0.04	0.16
EP-6	Quat Tank	VOC	4.00	1.67
EP-7	Truck Loading	VOC	4.00	<0.01
EP-8	Manufacturing Building	VOC	1.17	2.33
EP-9 (5)	Regenerative Thermal Oxidizer 1.28 (RTO)	VOC		10.76
		CO	0.02	0.08
		NO _x	0.09	0.36
		PM	0.01	0.05
		SO ₂	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	HCl and Cl ₂	0.09	1.07
			HBr	<0.01	<0.01
			Emission Rates *		
			lb/hr	TPY	
EP-9 (5)	Carbon Adsorption System	VOC			
Backup for RTO Only	(CAS)	HCl and Cl ₂			"
"	"	HBr			
"	"				
EP-10	Repackaging Fugitives (4)	H ₂ O ₂	0.19	0.03	
EP-11	Solvent Repackaging Fugitives (4)	VOC		0.22	
	0.94				
EP-12	Boiler No. 2	VOC	0.13	0.52	
		CO	0.77	3.40	
		NO _x	3.00	8.21	
		PM	0.30	0.62	
		SO ₂	6.39	2.36	
EP-14	Boiler No. 3	VOC	0.02	0.08	
		CO	0.14	0.63	
		NO _x	0.17	0.75	
		PM	0.01	0.06	
		SO ₂	<0.01	<0.01	
EP-16	Novolac Plant Fugitives (4)	VOC		0.39	
	0.17				
EP-17	Formaldehyde Solution Storage	VOC		<0.01	
	<0.01				
	Tank Scrubber				
EP-18	Clean-In-Place Tank	VOC	<0.01	<0.01	

(1) Emission point identification -

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- 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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- (3) VOC -volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- CO - carbon monoxide
 - NO_x - total oxides of nitrogen
 - PM - particulate matter
 - SO₂ - sulfur dioxide
 - TEA - triethylamine
 - HCl - hydrogen chloride
 - Cl₂ - chlorine
 - HBr - hydrogen bromide
 - H₂O₂ - hydrogen peroxide
 - NaOCl - sodium hypochlorite
- (4) Fugitive emissions are an estimate based on component count.
- (5) CAS is backup for RTO - CAS outlet routed into same stack as RTO outlet.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/year 8,760

Dated _____