

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1961

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
E14A014	Tank 11045			VOC (5)	0.01	0.04
E14A015	Tank 11055			VOC (5)	0.01	0.04
E14A016	Tank 11051			VOC (5)	0.01	0.04
E14A017	Tank 11061			VOC (5)	31.68	0.06
E14A018	Tank 11063			VOC (5)	31.68	0.07
E14A019	Tank 11065			VOC (5)	31.68	0.06
E14A020	Tank 11075			VOC (5)	31.68	0.06
E14A053	Acetic Acid Absorber			VOC	0.18	0.02
E14A030	Flare			VOC	0.38	0.13
				CO	0.52	2.28
				NOx	0.09	0.39
E14A032	Vent Gas Incinerator			VOC	2.71	5.69
				CO	9.01	16.42
				NOx	<0.01	<0.01
E14A047	Vent Condenser			EMERGENCY RELEASE ONLY		
E14A050	KAC Mix Tank			VOC	1.34	0.03
E14A052	CVA Tank			EMERGENCY RELEASE ONLY		

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		
			lb/hr	TPY	
F14A001-01	Crude VA		VOC	0.30	1.31
F14A001-02	Flash Gas		VOC	0.11	0.50
F14A001-03	Dehy Feed		VOC	0.48	2.11
F14A001-04	Azeo Water		VOC	<0.01	<0.01
F14A001-05	Water Stripper		VOC	<0.01	0.02
F14A001-06	Light End Feed		VOC	0.22	0.95
F14A001-07	Vinyl Acetate		VOC	0.60	2.53
F14A001-08	Aldehyde		VOC	0.20	0.89
F14A001-09	Nonylphenol		VOC	0.33	1.45
F14A001-10	Hydroquinone		VOC	0.05	0.21
F14A001-11	Reactor Outlet		VOC	0.03	0.12
F14A001-12	Ethyl Acetate		VOC	0.26	1.15
F14A001-13	Ald/Shipping		VOC	<0.01	0.01
F14A001-14	EA to PWRHS		VOC	<0.01	0.03
F14A001-15	Ethylene		VOC	0.35	1.53
F14A001-16	Cycle Gas		VOC	0.04	0.18
F14A001-17	CO <sub>2</sub> System		VOC	0.18	0.51
F14A001-18	Caustic		NaOH	<0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
F14A001-19	TSP	KOH	<0.01	<0.01
F14A001-20	VA to 3rd-D	VOC	<0.01	<0.01
F14A001-21	Acetic Acid	VOC	0.25	1.10
F14A001-22	Potassium Acetate	VOC	0.04	0.17
F14A001-23	Potassium Hydroxide	KOH	0.05	0.20
F14A001-24	Polymer Feed	VOC	0.13	0.55
F14A001-25	Poly Still Tails	VOC	0.14	0.60
F14A001-26	Poly Incin Feed	VOC	0.23	0.99
F14A001-28	CO <sub>2</sub> Stream	VOC	<0.01	0.02
F14A001-29	H <sub>2</sub> O Scrubber Tails	VOC	0.04	0.18
F14A001-30	EA Tails	VOC	0.06	0.25
F14A001-31	Azeo Tails	VOC	0.17	0.74
F14A001-32	TBC	VOC	0.04	0.17

- (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  
 CO - carbon monoxide  
 NaOH - sodium hydroxide

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

KOH - potassium hydroxide

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

(5) Following the installation of EPN E14A053, Acetic Acid Water Scrubber, Tank EPNs E14A014 through E14A020 will be eliminated.

\* 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 8,760

Dated \_\_\_\_\_