

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22914

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
TKP	Pan Area, Track 1 (Loading Losses)	VOC	7.89	5.59
		HCl	0.068	0.007
		H <sub>2</sub> O <sub>2</sub>	0.001	<0.001
		H <sub>3</sub> PO <sub>4</sub>	0.003	<0.001
		H <sub>2</sub> SO <sub>4</sub>	0.007	0.003
		NH <sub>4</sub> NO <sub>3</sub>	<0.001	<0.001
		Urea	<0.001	<0.001
		NH <sub>3</sub>	<0.001	<0.001
		NaOH	<0.001	<0.001
		CRA	<0.001	<0.001
TK123	Tracks 1, 2, and 3 (Loading Losses)	Corn Syrup	<0.001	<0.001
		Latex	<0.001	<0.001
		NaSi	<0.001	<0.001
		Beet Molasses	<0.001	<0.001
		Kaolin Liquid	<0.001	<0.001
		TiO <sub>2</sub>	<0.001	<0.001
		CO <sub>2</sub>	<0.001	<0.001
ABSORBER	Absorber Stack	HCl	0.005	<0.001
		H <sub>2</sub> SO <sub>4</sub>	0.010	<0.001
		VOC	0.700	0.78
BAGHOUSE	Vacuum Pump Discharge	PM <sub>10</sub>	0.668	0.192
FUGITIVES	Piping Fugitives (4)	VOC	1.48	0.53
		HCl	<0.001	<0.001
		H <sub>2</sub> O <sub>2</sub>	0.009	<0.001
		H <sub>3</sub> PO <sub>4</sub>	<0.001	<0.001
		H <sub>2</sub> SO <sub>4</sub>	0.001	<0.001
		NH <sub>4</sub> NO <sub>3</sub>	<0.001	<0.001
		Urea	<0.001	<0.001
		NH <sub>3</sub>	0.001	<0.001

NaOH	<0.001	<0.001
Corn Syrup	<0.001	<0.001
Latex	<0.001	<0.001
NaSi	<0.001	<0.001
Beet Molasses	<0.001	<0.001
Kaolin Liquid	<0.001	<0.001
TiO <sub>2</sub>	<0.001	<0.001
CO <sub>2</sub>	<0.001	<0.001

- (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
  - HCl - hydrogen chloride
  - H<sub>2</sub>O<sub>2</sub> - hydrogen peroxide
  - H<sub>3</sub>PO<sub>4</sub> - phosphoric acid (in aqueous solution)
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid (in aqueous solution)
  - NH<sub>4</sub>NO<sub>3</sub> - ammonium nitrate (in urea ammonium nitrate aqueous solution)
  - NH<sub>3</sub> - ammonia (in urea ammonium nitrate aqueous solution)
  - NaOH - sodium hydroxide (in aqueous solution)
  - CRA - Cresylic Acid
  - NaSi - sodium silicate (in aqueous solution)
  - TiO<sub>2</sub> - titanium dioxide (in aqueous solution)
  - CO<sub>2</sub> - carbon dioxide
  - PM<sub>10</sub> - particulate matter less than 10 microns in diameter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* 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 \_\_\_\_\_