

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 27849

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)	<u>Emission Rates</u>	
			lb/hr	TPY
1	Storage Tank 006 Vent	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	0.03	<0.01
3	Storage Tank 005 Vent	KOH	0.03	<0.01
4	Storage Tank 004 Vent	NaOH	0.02	<0.01
6	Resin Storage Tank No. 2 Vent	VOC	<0.01	<0.01
10	Tank No. 014 Vent Diesel Storage	VOC	0.06	<0.01
11	Tank No. 015 Vent Gasoline Storage	VOC	23.47	0.41
15	No. 10 Silo Dust Collector Exhaust	PM/PM <sub>10</sub>	0.04	<0.01
18	Nauta Mixer Dust Collector Vent	PM/PM <sub>10</sub>	0.78	1.22
		Cr (5)	0.01	<0.01
		VOC	75.00	9.43
20	Storage Tank No. 008 Vent S-35-9 Polymer	VOC	<0.01	<0.01
21	Resin Storage Tank No. 1 Vent	VOC	<0.01	<0.01
22	TR-70 Storage Tank Vent	VOC	1.65	0.05

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			lb/hr	TPY
28	Product Transfer Dust Collector Exhaust	PM/PM <sub>10</sub>	0.50	1.89
		VOC	4.30	0.67
29	No. 1 Raymond Mill and Mill Heater Dust Collector Exhaust	PM/PM <sub>10</sub>	0.81	3.04
		Cr (5)	0.01	<0.01
		NO <sub>x</sub>	0.92	4.02
		CO	0.12	0.55
		SO <sub>2</sub>	0.06	0.28
		VOC	389.62	76.26
30	No. 8 Dust Collector Exhaust	PM/ PM <sub>10</sub>	0.02	0.02
31	Waste Oil Storage Tank Tank TK-021	VOC	<0.01	<0.01
32	Liquid Raw Material Drumming	H <sub>2</sub> SO <sub>4</sub>	0.01	<0.01
34	No. 1 and No. 3 Packer Dust Collector Exhaust	PM/ PM <sub>10</sub>	0.30	0.55
		Cr (5)	<0.01	<0.01
FUG-1	Building 11 Process (4) Fugitives	VOC	<0.01	<0.01
FUG-3	Process Fugitives (4) Piping Valves, Flanges, and Connectors and Pump Seals	VOC	2.55	9.50
		Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	0.02	0.05
		NaOH/KOH	0.05	0.09
FUG-5	Rotary Transfer Valves (4)	PM/PM <sub>10</sub>	0.07	0.29

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- (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) 

PM	-	total suspended particulate, including PM <sub>10</sub>
PM <sub>10</sub>	-	particulate matter less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
VOC	-	volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO <sub>x</sub>	-	total oxides of nitrogen
SO <sub>2</sub>	-	sulfur dioxide
CO	-	carbon monoxide
Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	-	sodium bichromate
KOH	-	potassium hydroxide
NaOH	-	sodium hydroxide
Cr	-	chromium III
H <sub>2</sub> SO <sub>4</sub>	-	sulfuric acid
- (4) Fugitive emissions are an estimate only.
- (5) Included in the PM/PM<sub>10</sub> value

Dated June 22, 2007