

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 34401

## FINAL ALLOWABLES

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
	TPY**			
THE EMISSIONS SHOWN IN THIS TABLE REPRESENT THE PERMIT ALLOWABLES WITH BOTH LINE 1 AND LINE 2 IN OPERATION				
1	Additives Preparation Bagfilter 0.012		PM	0.076
3a	Regenerative Thermal Oxidizer 6.37		VOC	2.37
		NO <sub>x</sub>	0.87	3.77
		CO	8.2	36.1
		PM <sub>10</sub>	1.57	4.67
4	Crumb Dryer-2	VOC	0.14	0.419
		PM	0.18	0.71
		PM <sub>10</sub>	0.175	0.69
5	Process Fugitives (4)	VOC	1.18	5.17
6	Flare	VOC	40.73	10.81
		NO <sub>x</sub>	1.39	0.582
		CO	11.90	5.00
		SO <sub>2</sub>	0.0012	0.0026
9	Cyclohexane Bottoms Loading 0.011		VOC	1.21

## ROUTINE MAINTENANCE, START-UP, AND SHUTDOWN EMISSIONS

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	
	TPY**			
6a	Flare	VOC	12.956	0.016
		NO <sub>x</sub>	0.835	0.001
		CO	7.17	0.009
FUG-MAINT	Maintenance Fugitives	cyclohexane	1.53	0.11
		styrene	0.9	0.02

### SOURCES COVERED UNDER PERMITS BY RULE

The following sources are covered under Permits by Rule and are not authorized under this permit. They are listed on this table for reference only.

11	Fire Water Pump	VOC	0.741	0.017
		NO <sub>x</sub>	9.3	0.24
		CO	2.0	0.0052
		SO <sub>2</sub>	0.6	0.016
		PM <sub>10</sub>	0.663	0.017
12	Parts Washer	VOC	0.11	0.006

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- CO - carbon monoxide
- SO<sub>2</sub> - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

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

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.  
Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

(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 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated March 11, 2005