

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 22508 and PSD-TX-874

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>	
			<u>lb/hr</u>	<u>TPY**</u>
011-128-V	North Slurry Tank Vent	VOC	11.75	47.00
		PM	0.40	1.58
012-021-V	South Slurry Tank Vent	VOC	11.75	47.00
		PM	0.40	1.58
G-STACK	G Finishing Line Stack	VOC	36.00	144.00
		PM	2.08	8.32
NCT-1	Cooling Tower	VOC	0.84	3.36
L-WWV	LiBR Wastewater Stripper	VOC	0.66	2.59
700-025-V	Catalyst Tank Knockout Pot	VOC	43.40	0.23
700-252-V	Catalyst Tank Knockout Pot	VOC	43.50	0.20
700-007-V	Styrene Storage Tank	VOC	2.68	0.47
010-445-V	Catalyst Feed Cylinder Knockout Pot	VOC	1.55	0.065
010-468-V	Catalyst Feed Cylinder Knockout Pot	VOC	1.54	0.11
C-LINE	C-Line (5)	VOC	23.16	70.92
		PM	1.03	3.45

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
A-LINE	A-Line (6)	VOC	34.61	137.30
		PM 1.57	6.14	
FLARE 1	Flare	VOC	45.94	70.34
		NO <sub>x</sub>	2.71	4.67
		CO 13.82	23.79	
DUSTV	Carbon Black Vent	PM	0.15	0.61
SCRUBBERV	Carbon Black Scrubber	PM	0.02	0.10
48098-V	Carbon Black Vacuum Vent	PM	0.07	0.30
EQ-18V	Cooling Tower	VOC	1.50	6.54
BRFUG-3	Process Area Fugitives (4)	VOC	27.87	122.27
		NH <sub>3</sub>	1.16	5.08
BRFUG-6	Storage Tank Area Fugitives (4)	VOC	7.71	33.77
35092	TNPP Storage Tank	VOC	0.49	0.01
33030	COD Storage Tank	VOC	2.12	0.04
34003	HA Oil Storage Tank	VOC	0.19	0.04
33002-1	West DEAC Storage Tank	VOC	14.21	0.31
33002-2	East DEAC Storage Tank	VOC	14.21	0.31
WW	CoBR Wastewater Stripper	VOC	38.4	19.38

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- (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 area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
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 particulate matter greater than 10 microns is emitted.  
NO<sub>x</sub> - oxides of nitrogen  
CO - carbon monoxide  
NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission points in C-Line include 33015-1V, 33015-2V, C-SCRN, C-DRYER No. 1, and C-DRYER No. 2.
- (6) Emission points in A-Line include 33015-3V, 33015-4V, 48043-1V, 48043-2V, A-DRYER No. 1, and A-DRYER No. 2.

\* 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 December 2, 2004