

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 18505 and PSDTX878

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, sources, and related activities. 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 (7)	
			lbs/hour	TPY (4)
BLR 1 through 6	Six Boilers	NO <sub>x</sub>	23.9	73.31
		CO	14.1	61.59
		SO <sub>2</sub>	39.1	51.63
		VOC	1.6	4.31
		PM	2.4	6.63
		n-Pentane	5.2	14.49
EPS 9, 10, 11, 12, 13, 14, 17, 18, 21, 22, 25, 26, 27, 28, and 29	Expanded Polystyrene Container (EPS) Manufacturing Building Stacks	n-Pentane (daytime)	156.6 (5)	436.00
		n-Pentane (nighttime)	119.9	--
		Isopropyl Alcohol	4.4	19.00
		VOC	0.2	0.50
DIF 29 through 41	Direct Injection (DI) Foam Manufacturing Building Stacks	Styrene	0.4	1.60
		Isopentane (6)	17.6	76.90
		Isobutane (6)	13.4	50.90
WH 1 through 28 and EW 1 through 16	Warehouse Storage Building 2 and 3	n-Pentane	116.0	381.50
		Isopentane (6)	2.8	12.30
		Isobutane (6)	7.0	30.70

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RTO 1	Regenerative Thermal Oxidizer	VOC	1.9	8.10
		PM	<0.1	0.01
		NO <sub>x</sub>	2.4	3.20
		CO	0.3	1.30
		SO <sub>2</sub>	0.1	0.20
TANKS 8 and 9	Two Fuel Oil Storage Tanks	VOC	<0.1	0.20

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point 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  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide  
TPY - tons per year
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Daytime is restricted to the hours of 8:00 a.m. to 4:00 p.m.
- (6) Combined hourly and annual emission rates shall not exceed 20.4 lbs/hour and 81.6 TPY, respectively.
- (7) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: July 18, 2013