

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2498A

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 **
44BA3001	BA-3001 DAO Mix Heater (18.3 MMBtu/hr fired duty)	CO	1.53	6.71
		NO <sub>x</sub>	1.80	7.90
		PM <sub>10</sub>	0.14	0.62
		SO <sub>2</sub>	0.49	2.15
		VOC	0.10	0.44
44BA3002	BA-3002 Hot Oil Heater (58.6 MMBtu/hr fired duty)	CO	4.91	21.51
		NO <sub>x</sub>	5.22	22.87
		PM <sub>10</sub>	0.45	1.98
		SO <sub>2</sub>	1.58	6.93
		VOC	0.33	1.45
44BA3005	BA-3005 Asphalt Heater (32.4 MMBtu/hr fired duty)	CO	2.72	11.92
		NO <sub>x</sub>	3.24	14.20
		PM <sub>10</sub>	0.25	1.10
		SO <sub>2</sub>	0.87	3.82
		VOC	0.18	0.79
44FUG	Residual Oil Solvent Extraction Unit Process Fugitives (4)	VOC	5.22	22.85

(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) CO - carbon monoxide

NO<sub>x</sub> - total oxides of nitrogen

PM<sub>10</sub> - particulate matter (PM) 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.

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

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(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable Special Conditions and permit application representations.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52

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

Dated October 12, 2005