

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 1966 and PSD-TX-967

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**
EY001ST	A Boiler Stack (5)	NO <sub>x</sub>	48.9	143.0
		CO	49.2	171.0
		VOC	1.40	5.97
		PM/PM <sub>10</sub>	2.42	10.4
		SO <sub>2</sub>	2.19	9.56
EY002ST	B Boiler Stack (5)	NO <sub>x</sub>	37.5	112.0
		CO	40.4	144.0
		VOC	1.33	5.66
		PM/PM <sub>10</sub>	2.19	9.38
		SO <sub>2</sub>	1.62	7.08
EY201ST	W-72 Turbine	NO <sub>x</sub>	34.4	6.67
		CO	80.6	23.2
		VOC	0.28	0.10
		PM/PM <sub>10</sub>	0.88	0.32
		SO <sub>2</sub>	2.06	0.74
EY203ST	W-62 Turbine (4)	NO <sub>x</sub>	23.0	-
		CO	81.8	-
		VOC	0.21	-
		PM/PM <sub>10</sub>	0.65	-
		SO <sub>2</sub>	1.50	-
EYFBLRST	F-Boiler Stack	NO <sub>x</sub> (6)	25.9	63.2
		CO	23.8	57.5
		VOC	1.63	3.88
		PM/PM <sub>10</sub>	2.76	7.85
		SO <sub>2</sub>	0.22	0.62
EYWOTRKL	Pyrolysis Oil Truck	VOC	0.35	0.10

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			lb/hr	TPY**
Loading Rack Fugitives (7)				
EY004FE	Olefin Plant Fugitives (7)	VOC	9.22	40.4

- (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) CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen  
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 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
- (4) Annual emissions for W-62 Turbine are included in annual emissions for the W-72 Turbine.
- (5) Boiler A and Boiler B to cease operation no later than June 30, 2009.
- (6) Emissions and sources reviewed and authorized under Permit Number PSD-TX-967.
- (7) Fugitive emissions are an estimate only.

\* 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 or Hrs/year 8,760

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

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The following standard permits and permits by rule are hereby incorporated into this permits and are now voided:

DATE	EXEMPTION No. or REGISTRATION No.	REGULATION	DESCRIPTION	CONTAMINANT
Feb. 11, 2002	Std. Exemption 106.472	30 TAC 106.472 (09/04/2000)	Installation of Portafeed Container	VOC
Oct. 26, 2005	77308	30 TAC 106.261 (11/01/2003) 30 TAC 106.261 (11/01/2003)	Recycle Column Antifoulant Injection	VOC
Dec. 7, 2006	80529	30 TAC 106.261 (11/01/2003) 30 TAC 106.261 (11/01/2003)	Fugitive Additions to Olefins Water Stripper	VOC
Dec. 7, 2006	80534	30 TAC 106.261 (11/01/2003) 30 TAC 106.261 (11/01/2003)	Add Clean-out to D6.609 Overhead	VOC
Dec. 7, 2006	80536	30 TAC 106.261 (11/01/2003) 30 TAC 106.261 (11/01/2003)	Fugitives for Light Oil Tank	VOC
Feb. 21, 2007	81222	30 TAC 106.261 (11/01/2003) 30 TAC 106.261 (11/01/2003)	Loading Light Oil	VOC
Jan. 14, 2008	83897	30 TAC 106.261 (11/01/2003) 30 TAC 106.261 (11/01/2003)	New Components - Wastewater Stripper Inlet Feed Line	VOC
Mar. 26, 2008	84521	30 TAC 106.261 (11/01/2003)	Annual PBR for Olefins - Small Projects	VOC

Dated December 5, 2008

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