

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 48988

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**
E02B015	Steam Superheater 35 (6) (57 MMBtu/hr maximum) (3,847 hours per calendar year)	CO	4.63	8.90
		NO <sub>x</sub>	7.71	14.84
		PM <sub>10</sub>	0.42	
		0.81		
		SO <sub>2</sub>	0.06	
		VOC	0.58	
E17A002	Diethanolamine Tank (6)	VOC	0.01	0.01
E17A003	Engine (6)	CO	2.58	
		NO <sub>x</sub>	18.72	
		PM <sub>10</sub>	0.34	
		SO <sub>2</sub>	0.11	
		VOC	0.74	
E17A004	Engine (6)	CO	3.44	
		NO <sub>x</sub>	24.96	
		PM <sub>10</sub>	0.45	
		SO <sub>2</sub>	0.15	
		VOC	0.99	
E17A005	Engine (6)	CO	3.44	
		NO <sub>x</sub>	24.96	
		PM <sub>10</sub>	0.45	
		SO <sub>2</sub>	0.15	
		VOC	0.99	
E17A006	Engine (6)	CO	3.44	
		NO <sub>x</sub>	24.96	
		PM <sub>10</sub>	0.45	
		SO <sub>2</sub>	0.15	
		VOC	0.99	

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY**
E17A007	Engine (6)	CO	2.58	
		NO <sub>x</sub>	18.72	
		PM <sub>10</sub>	0.34	
		SO <sub>2</sub>	0.11	
		VOC	0.74	
	Combined annual emissions for E17A003 and E17A007 limited to 5,795 hours per calendar year	CO		44.87
		NO <sub>x</sub>		325.39
		PM <sub>10</sub>		5.91
		SO <sub>2</sub>		1.93
		VOC	12.86	
E17A008	FARM Flare (5)	CO	25.82	90.49
		H <sub>2</sub> S	0.14	0.50
		NO <sub>x</sub>	2.96	10.38
		SO <sub>2</sub>	13.42	47.04
		VOC	7.13	24.98
E17A013	Engine (6)	CO	2.58	7.48
		NO <sub>x</sub>	18.72	54.23
		PM <sub>10</sub>	0.34	0.99
		SO <sub>2</sub>	0.11	0.32
		VOC	0.74	2.14
E17A014	Engine (6)	CO	2.58	7.48
		NO <sub>x</sub>	18.72	54.23
		PM <sub>10</sub>	0.34	0.99
		SO <sub>2</sub>	0.11	0.32
		VOC	0.74	2.14
	Combined annual emissions for E17A013 and E17A014 limited to 5,795 hours per calendar year	CO		14.96
		NO <sub>x</sub>		108.46
		PM <sub>10</sub>		1.98
		SO <sub>2</sub>		0.64
		VOC	4.28	
E17A020	Sour Water Loading	VOC	1.45	0.01

E17B002	Monoethanolamine Tank	VOC	0.01	0.01
E17C002	Methanol Tank (6)	VOC	1.33	0.50
E17C003	Engine (6)	CO	2.58	7.48
	(5795 hours per calendar year)	NO <sub>x</sub>	18.72	54.23
		PM <sub>10</sub>	0.34	0.99
		SO <sub>2</sub>	0.11	0.32
		VOC	0.74	2.14
E17C026	Aeration Injection Tank	VOC	0.01	0.01
W03A005	Wastewater (7)	VOC	56.05	196.40
		VOC	42.04	147.30
F02B001-01	Powerhouse Process Fugitives (4)	CO		0.05
		0.19		
		VOC	0.80	2.82
F17A001	FARM Process Fugitives (4) (6)	VOC	6.39	27.98

- (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) CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide  
NO<sub>x</sub> - total oxides of nitrogen  
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.  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Contributions from these permitted facilities emitted from this emission point number (EPN).
- (6) This EPN shall be permanently shutdown and rendered inoperable by December 31, 2006.

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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>	<u>TPY**</u>

(7) Emission control projects from EPN W03A005 are listed in the special conditions. Pre and post emission control rates are shown.

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

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

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