

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 676A

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**
AMINE-TK	500-bbl Amine Make-up Tank	VOC	0.01	0.01
ENG-20R2	800-HP White Superior 8G825	CO	5.29	23.17
		NO <sub>x</sub>	3.53	15.45
		PM <sub>10</sub>	0.12	
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	
ENG-21R	675-HP White Superior 8G825	CO	4.46	19.55
		NO <sub>x</sub>	2.98	13.04
		PM <sub>10</sub>	0.10	
		SO <sub>2</sub>	0.01	0.02
		VOC	1.49	6.52
ENG-22R1	800-HP White Superior 8G825	CO	5.29	23.17
		NO <sub>x</sub>	3.53	15.45
		PM <sub>10</sub>	0.12	
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	
FLR01	Acid Gas Flare Pilot Fuel Only	CO	0.02	0.10
		NO <sub>x</sub>	0.01	0.03
		SO <sub>2</sub>	0.01	
		VOC	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
HTR1-STK	Regeneration Gas Heater	CO	0.20	0.88
		NO <sub>x</sub>	0.24	1.05
		PM <sub>10</sub> 0.02	0.08	
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.06
HTR2-STK	Glycol Reboiler 5.25 MMBtu/hr	CO	0.44	1.93
		NO <sub>x</sub>	0.53	2.30
		PM <sub>10</sub> 0.04	0.17	
		SO <sub>2</sub>	0.01	0.01
		VOC	0.03	0.13
INCIN	SRU Tail Gas Incinerator	CO	42.24	185.00
		H <sub>2</sub> S 3.77	16.50	
		NO <sub>x</sub> 3.20	14.00	
		PM <sub>10</sub> 0.09	0.40	
		SO <sub>2</sub> 481.70	1521.80	
		VOC 0.07	0.29	
SULF-LOAD	Sulfur Tank Truck Loading	H <sub>2</sub> S	0.01	0.02
FUG	Plant Process Fugitives (4)	H <sub>2</sub> S	0.17	0.75
		VOC 5.64	24.72	

(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

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.

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) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

- \* 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 19, 2006