

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2958A

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
E02B030	Boiler No. 53 (5)			
	Firing a blend of fuel gas and residual liquid waste	PM	52.45	
		VOC	1.91	
		NO <sub>x</sub>	46.80	
		SO <sub>2</sub>	9.08	
		CO	33.09	
	Firing 100 percent fuel gas	PM	2.21	
		VOC	0.97	
		NO <sub>x</sub>	26.46	
		SO <sub>2</sub>	6.03	
		CO	28.15	
	Residue Line Change (6)	PM	0.01	
		VOC	0.01	
		NO <sub>x</sub>	82.80	
		SO <sub>2</sub>	0.01	
		CO	183.09	
	Annual Emissions	PM		25.00
		VOC		4.73
		NO <sub>x</sub>		170.82
		SO <sub>2</sub>		21.99
		CO		131.58
F02B001-01	Boiler No. 53 Fugitives	VOC	0.09	0.39
T03A62862	Tank N62862***	VOC	0.02	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
T03A62862-B	Tank N62862-B***	VOC	0.01	0.01
T03A62862-C	Tank N62862-C***	VOC	0.04	0.01
T03AC12278	Tank C12278	VOC	0.02	0.01
T03AN84423	Tank N84423	VOC	0.02	0.01
T03N84417	Tank N84417	VOC	0.02	0.01
T03AC12566	Tank C12566	VOC	0.02	0.01

- (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) 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 - 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.  
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The emission rates are based on the Boiler No. 53 maximum design heat input capacity of 441 MMBtu/hr when firing 100 percent plant mixed fuel gas only and 390 MMBtu/hr when firing the fuel gas/residual waste fuel combination. Boiler No. 53 shall operate in either of the three modes: firing 100 percent plant mix fuel gas, firing the fuel gas/residual waste fuel combination, or purging with nitrogen during residue line changes.
- (6) Excess NO<sub>x</sub> and CO emissions resulting from residue line changes are limited to 180 hours per year.

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#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION

\* 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 or 8,760 Hrs/year

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

\*\*\* Tank N62862-C is a new tank being built to replace Tanks N62862 and N62862-B. Once Tank N62862-C is operational, Tanks N62862 and N62862-B will be taken out of service.

Dated April 15, 2005