

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	Source	Air Contaminant	<u>Emission Rates *</u>	
Point No. (1)	Name (2)	Name (3)	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 _x	46.80	
		SO ₂	9.08	
		CO	33.09	
	Firing 100 percent fuel gas	PM	2.21	
		VOC	0.97	
		NO _x	26.46	
		SO ₂	6.03	
		CO	28.15	
		CO (7)	100.00	
	Residue Line Change (6)	PM	0.01	
		VOC	0.01	
		NO _x	82.80	
		SO ₂	0.01	
		CO	183.09	
	Annual Emissions	PM		25.00
		VOC		4.73
		NO _x		170.82
		SO ₂		21.99
		CO		131.58

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Emission	Source	Air Contaminant	<u>Emission Rates *</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
F02B001-01	Boiler No. 53 Fugitives	VOC	0.09	0.39
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_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - 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) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (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_x and CO emissions resulting from residue line changes are limited to 180 hours per year.
- (7) This hourly emission rate is limited to start-up and shutdown events not to exceed 16 hours per event and not to exceed 16 events per year.

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- * 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.

Dated January 10, 2011