

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20586

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
CASE I: NATURAL GAS				
33A	Boiler (96.0 MMBtu/hr)*	PM ₁₀	0.48	2.10
		SO ₂	0.06	0.25
		NO _x	5.76	25.23
		CO	18.13	79.41
		VOC	0.26	1.18
33B	Boiler (96.0 MMBtu/hr)**			
35	NaOH Storage Tank*	NaOH	0.01	0.05
36	HCl Storage Tank*	HCl	<0.01	<0.01
37	Molasses Desugarization* Process Tank Ventilation	NH ₃	2.39	10.47
38	Molasses Desugarization* Vacuum Pump Ventilation	NH ₃	1.00	4.38
CASE II: FUEL OIL (NO. 6)				
33A	Boiler (91.0 MMBtu/hr)***	PM ₁₀	3.42	0.54
		SO _x	26.85	4.22
		NO _x	12.56	1.97
		CO	2.85	0.45
		VOC	0.16	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

33B Boiler (91.0 MMBtu/hr)**

- (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) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - SO_x - total oxides of sulfur
 - PM₁₀ - particulate matter (PM) 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.
 - CO - carbon monoxide
 - HCl - hydrogen chloride
 - NaOH - sodium hydroxide
- (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 Days/week Weeks/year or 8,760 Hrs/year

** This boiler will act as a backup in case of emergency. Emissions will be identical to Emission Point No. 33A.

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

Hrs/day Days/week Weeks/year or 314 Hrs/year

Permit No. 20586
Page 3

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Dated _____