

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	TPY	<u>Emission Rates</u>
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 (NUMBER 6)					
33A	Boiler (91.0 MMBtu/hr)***	PM ₁₀	3.35		1.20
		SO _x	22.63		8.15
		NO _x	5.46		1.97
		CO	17.19		6.19
		VOC	0.82		0.30
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.

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- (3) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_x - total oxides of sulfur
SO₂ - sulfur dioxide
PM₁₀ - particulate matter less than 10 microns in diameter
NaOH - sodium hydroxide
CO - carbon monoxide
HCl - hydrogen chloride
NH₃ - ammonia

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

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

** This boiler will act as a backup in case of emergency. Emissions will be identical to EPN 33A.

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

Hrs/day___Days/week___Weeks/year___or Hrs/year 720

Dated_____