

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19806

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	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EB-1B-2501	Dehydro No. 2 Unit Feed Heater 17.94	NO _x		4.10
		CO	5.35	23.45
		VOC	0.35	1.54
		PM	0.48	2.12
		SO ₂	0.04	0.17
EB-1B-505	Dehydro No. 2 Heat Recovery Boiler 282.51	NO _x		64.50
	Dehydro No. 2 Air Heater	CO	9.60	35.04
	Dehydro No. 2 Regen Gas Generator 9.94	VOC		2.27
		PM	3.14	13.74
		SO ₂	0.22	1.08
EB-1B-506	Dehydro No. 2 Heat Recovery Boiler 152.49	NO _x		34.82
	Dehydro No. 2 Turbine	CO	3.12	11.39
		VOC	1.47	6.42
		PM	2.03	8.88
		SO ₂	0.16	0.70
T-31	Tank 31	VOC	0.29	0.02
T-6F-1778	Tank 6F-2778	VOC	0.37	0.02
F-20	Dehydro 2 Unit Fugitives (4) 18.29	VOC		4.18

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EP-H9	Boiler No. 9	NO	247.06	658.08
		CO	74.12	95.72
		VOC	4.85	21.26
		PM	6.71	29.37
		SO ₂	0.53	2.32
T-117	Tank 117	VOC	0.34	0.40
T-118	Tank 118	VOC	0.34	0.40
T-119	Tank 119	VOC	0.34	0.40
E-PIBTT (5)	PIB Product Loading - Tank Trucks	VOC	0.95	0.47
E-PIBTC (5)	PIB Product Loading - Tank Cars	VOC	0.95	0.47
(5)	Sum of PIB Product Loading Tank Trucks + Tank Cars	VOC	0.95	0.47
F-PIBPROC (4)	PIB Unit Process Fugitives	VOC	0.36	1.59
F-PIBSTOR (4)	PIB Tank Farm Fugitives	VOC	0.36	1.58

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- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - particulate matter
SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The total PIB Product Loading Emissions are limited to the hourly and annual rates shown which may be loaded through either tank trucks or tank cars or both. The sum of the hourly and annual emissions from EPNs E-PIBTT plus E-PIBTC are limited as shown.

* 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

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Dated June 29, 2007