

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
EB-1B-2501	Dehydro No. 2 Unit Feed Heater	NO _x	4.10	17.94
		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	NO _x	64.50	282.51
	Dehydro No. 2 Air Heater	CO	9.60	35.04
	Dehydro No. 2 Regen Gas Generator	VOC	9.94	2.27
		PM	3.14	13.74
		SO ₂	0.22	1.08
EB-1B-506	Dehydro No. 2 Heat Recovery Boiler	NO _x	152.49	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)	VOC	4.18	18.29
EP-H9	Boiler No. 9	NO _x	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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	
<u>TPY**</u>				
T-117	PIB-1 Process Tank 117	VOC	2.28	(5)
T-118	PIB-1 Process Tank 118	VOC	2.28	(5)
T-119	PIB-1 Process Tank 119	VOC	2.28	(5)
T-IP-1	PIB-2 Process Tank 1	VOC	1.44	(5)
T-IP-2	PIB-2 Process Tank 2	VOC	1.44	(5)
T-IP-3	PIB-2 Process Tank 3	VOC	1.44	(5)
T-PIB-1	PIB-2 Storage Tank 1	VOC	1.62	(5)
T-PIB-2	PIB-2 Storage Tank 2	VOC	1.62	(5)
T-PIB-3	PIB-2 Storage Tank 3	VOC	1.62	(5)
T-PIB-4	PIB-2 Storage Tank 4	VOC	1.62	(5)
T-PIB-5	PIB-2 Storage Tank 5	VOC	1.62	(5)
T-PIB-6	PIB-2 Storage Tank 6	VOC	1.62	(5)
TNK-GRP	Tank Emissions Cap	VOC		7.00
E-PIBTT	PIB-1 Product Loading – Tank Trucks	VOC	(6)	
E-PIBTC	PIB-1 Product Loading – Rail Cars	VOC	(6)	
E-PIB2RC1	PIB-2 Product Loading Rail Cars - Station 1	VOC	(6)	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
TPY**			lb/hr	
E-PIB2RC2	PIB-2 Product Loading Rail Cars - Station 2	VOC	(6)	
E-PIB2TT1	PIB-2 Product Loading Tank Truck - Station 1	VOC	(6)	
E-PIB2TT2	PIB-2 Product Loading Tank Truck - Station 2	VOC	(6)	
LOAD-GRP	Loading Emissions Cap	VOC	18.26	0.33
F-PIBPROC (4)	PIB-1 Process Fugitives	VOC	0.13	0.57
F-PIBSTOR (4)	PIB-1 Tank Farm Fugitives	VOC	0.10	0.45
F-PIB2PROC (4)	PIB-2 Process Fugitives	VOC	0.15	0.66
F-PIB2STOR (4)	PIB-2 Tank Farm Fugitives	VOC	0.31	1.35
T-P1WW1	PIB-1 Wastewater Tank 1	VOC	0.01	0.01
T-P1WW2	PIB-1 Wastewater Tank 2	VOC	0.01	0.01
T-P2WW1	PIB-2 Wastewater Tank 1	VOC	0.01	0.01
T-P2WW2	PIB-2 Wastewater Tank 2	VOC	0.01	0.01

(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, suspended in the atmosphere, including PM₁₀

SO₂ - sulfur dioxide

Permit Number 19806

Page 4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The total annual emission rates for PIB process and storage tanks are limited to the annual cap indicated under EPN TNK-GRP.
- (6) The total PIB product loading emission rates are limited to the hourly and annual caps indicated under Emission Point No. LOAD-GRP which may be loaded through either tank trucks or tank cars or both.

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

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

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

Dated August 3, 2007