EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 8941 and PSD-TX-487

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	Emission Rates * TPY**
HB006ST	Clark Engine No. 4 (1,200-hp)	NO_x	38.70	169.40
		CO	5.30	23.20
		VOC	11.60	51.00
HB007ST	Clark Engine No. 3 (1,200-hp)	NO_x	38.70	169.40
		CO	5.30	23.20
		VOC	11.60	51.00
HB008ST	Clark Engine No. 2 (1,200-hp)	NO_x	38.70	169.40
		CO	5.30	23.20
		VOC	11.60	51.00
HB009ST	Clark Engine No. 1 (1,200-hp)	NO_x	38.70	169.40
		CO	5.30	23.20
		VOC	11.60	51.00
HB023ST	Amine Heater	NO_x	1.90	8.50
HB024ST	Regen Gas Heater	NO_x	1.10	4.80
HB002FL	Acid Gas Flare	SO_2	279.00	1222.00
HB002FE	Plant Fugitive Emissions (4)	VOC	32.40	142.00

Authorized under PRB 27846

HB001FL	High Pressure Relief Flare	NO_x	0.03	0.13
		CO	0.24	1.06
		SO_2	0.01	0.01
		H_2S	0.01	0.01
		VOC	0.01	0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
HB004TK	Methanol Tank No. 1	VOC	0.01	0.03
HB011TK	Methanol Tank No. 2	VOC	0.01	0.05
HB012TK	Methanol Tank No. 3	VOC	0.01	0.03
HB013TK	Methanol Tank No. 4	VOC	0.01	0.03
HB014TK	Tank 310 Condensate	VOC	0.25	1.06
HB019TK	Tank 315 Condensate	VOC	0.71	3.08
HB020TK	Tank 314 Condensate	VOC	0.71	3.08
HB022TK	Methanol Tank No. 5	VOC	0.01	0.05
HB023TK	Methanol Tank No. 6	VOC	0.02	0.06
HBGPMTK1	Duke Condensate Tank No. 1	VOC	0.69	3.00
HBGPMTK2	Duke Condensate Tank No. 2	VOC	0.69	3.00
HTR-1	Oil Stabilizer Heater	NO_x	0.22	0.94
		CO	0.18	0.79
		SO_2	0.01	0.01
		PM_{10}	0.02	0.08
		VOC	0.02	0.06
FUGBEN2	Condensate and Methanol Facilities Fugitive (4)	VOC	1.33	5.82

Authorized under PRB 22037

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
HB003FE	By-Pass Plant Fugitive Emissions (4)	VOC	0.45	1.97
HB041ST	No. 2 Waukesha L7042 Engine	NO_x	4.07	17.84
		CO	7.2	31.52
		SO_2	0.01	0.02
		PM_{10}	0.17	0.75
		VOC	0.68	2.97
HB042ST	Regeneration Gas Heater	NO_x	0.42	1.84
Authorized under PRB 37184				
HB044ST	Caterpillar C3608 Engine No. 3	NO_x	2.57	11.25
		CO	6.97	30.55
		PM_{10}	0.04	0.16
		VOC	1.47	6.43
HB047ST	Caterpillar C3512 Engine No. 1	NO_x	3.57	15.64
		CO	2.14	9.39
		PM_{10}	0.02	0.08
		VOC	0.71	3.13
HB048ST	Caterpillar C3512 Engine No. 2	NO_x	3.57	15.64
		CO	2.14	9.39
		PM_{10}	0.02	0.08
		VOC	0.71	3.13
HB049ST	Caterpillar C3516TALE Engine	NO_x	4.78	20.95
		CO	7.18	31.43
		SO_2	0.01	0.02
		PM_{10}	0.08	0.36
		VOC	0.47	2.07

Authorized under PRB 34678

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
HB045ST	Caterpillar C3608 Engine No. 1	NO_x	3.43	15.03
		CO	9.31	40.79
		SO_2	0.01	0.02
		PM_{10}	0.08	0.50
		VOC	0.49	2.15
HB046ST	Caterpillar C3608 Engine No. 2	NO_x	3.43	15.03
		CO	9.31	40.79
		SO_2	0.01	0.02
		PM_{10}	0.08	0.50
		VOC	0.49	2.15
Authorized under PRB 50445				
HB051ST	Caterpillar C3512LE Engine	NO_x	3.80	16.61
		CO	5.69	24.92
		SO_2	0.01	0.02
		PM_{10}	0.07	0.29
		VOC	0.76	3.32
HB051FUG	Caterpillar C3512LE Engine Fugitives (4)	VOC	0.10	0.43
Authorized under PRB 106.352				
HB015TK	Tank 311 Condensate	VOC	0.40	1.76
HB016TK	Tank 312 Condensate	VOC	0.40	1.76
HB021TK	Lube Oil Tank No. 1	VOC	0.01	0.01
HTR-2	Glycol Reboiler Heater	NO_x	0.03	0.12
		CO	0.02	0.09
		SO_2	0.01	0.01
		PM_{10}	0.01	0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		VOC 0.01	0.01	
HTR--3	Duke TEG Heater	NO_x	0.17	0.72
		CO 0.14	0.61	
		SO_2 0.01	0.01	
		PM_{10} 0.01	0.06	
		VOC 0.01	0.04	
Load-1	Condensate Loading Rack No. 1	VOC	13.96	1.82
GLYDEHY-1	Glycol Dehydrator Still Vent	VOC	0.05	0.22
GLYDEHYFUG	Glycol Dehydrator Fugitive (4)	VOC	0.27	1.17

(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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO_2 - sulfur dioxide
PM_{10} - particulate matter (PM) 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.
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only.

* 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

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

Dated_____