EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 8925, PSDTX206M1, and PSDTX432M2

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**
4	800-hp White Superior 8G-825 (10)	CO	5.29	23.15
		NO_x (6)	3.52	15.44
		PM_{10}	0.14	0.60
		SO_2	0.01	0.01
		VOC	1.76	7.72
10B	1,478-hp Waukesha L-7042 GL	CO	9.80	42.80
		NO_x	6.50	28.50
		PM_{10}	0.14	0.60
		SO_2	0.01	0.01
		VOC	2.30	10.08
11A	730-hp Caterpillar 399TA-LCR (10)	CO	4.82	21.13
		NO_x	0.80	3.52
		PM_{10}	0.14	0.60
		SO_2	0.01	0.01
		VOC	1.61	7.04
12A	730-hp Caterpillar 399TA-LCR (10)	CO	4.82	21.13
		NO_x (6)	0.80	3.52
		PM_{10}	0.14	0.60
		SO_2	0.01	0.01
		VOC	1.61	7.04
13A	730-hp Caterpillar 399TA-LCR (10)	CO	4.82	21.13
		NO_x (6)	3.22	14.09
		PM_{10}	0.11	0.48
		SO_2	0.01	0.01
		VOC	1.61	7.04

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**
14B	1,232-hp Waukesha L-7042 GL (10)	CO	8.20	35.70
		NO_x	1.36	5.95
		PM_{10}	0.10	0.40
		SO_2	0.01	0.01
		VOC	2.70	11.90
15	1,050-hp Waukesha L-7042 GSIU (7) (10)	CO	9.30	40.60
		NO_x (6)	4.60	20.30
		PM_{10}	0.20	0.70
		SO_2	0.01	0.01
		VOC	0.23	1.00
17	500-hp Caterpillar 398 NA (7) (10)	CO	3.30	14.50
		NO_x	0.55	2.41
		PM_{10}	0.10	0.30
		SO_2	0.01	0.01
		VOC	0.20	0.70
18	750-hp Caterpillar 399TA-LCR (10)	CO	4.96	21.71
		NO_x	0.83	3.62
		PM_{10}	0.14	0.60
		SO_2	0.01	0.01
		VOC	1.65	7.24
19B	750-hp Caterpillar 399TA-LCR (10)	CO	4.96	21.71
		NO_x	0.83	3.62
		PM_{10}	0.14	0.60
		SO_2	0.01	0.01
		VOC	1.65	7.24
21	2,750-hp MEP 10GT Engine (5) (8)	CO	30.30	132.70
		NO_x	30.30	132.70
		PM_{10}	0.94	4.10
		SO_2	0.01	0.01
		VOC	1.80	8.00

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**
23	2,750-hp MEP 10GT Engine (5) (8)	CO	30.30	132.70
		NO_x	30.30	132.70
		PM_{10}	0.94	4.10
		SO_2	0.01	0.01
		VOC	1.80	8.00
24	2,100-hp MEP 8GT Engine (5) (8)	CO	19.20	83.90
		NO_x	24.20	106.10
		PM_{10}	0.73	3.20
		SO_2	0.01	0.01
		VOC	1.85	8.10
25	2,100-hp MEP 8GT Engine (5) (8)	CO	19.20	83.90
		NO_x	24.20	106.10
		PM_{10}	0.94	4.10
		SO_2	0.01	0.01
		VOC	1.85	8.10
35	H-1B Regeneration Gas Heater	CO	0.90	4.00
		NO_x	1.10	4.80
		PM_{10}	0.10	0.40
		SO_2	0.01	0.01
		VOC	0.30	0.30
41	E-P Glycol Regenerator Gas Heater	CO	0.23	1.00
		NO_x	0.30	1.10
		PM_{10}	0.03	0.10
		SO_2	0.01	0.01
		VOC	0.03	0.10
44	Fire Water Pump No. 1 (9) (100 hours per rolling 12 months)	CO	1.10	0.10
		NO_x	5.20	0.30
		PM_{10}	0.50	0.01
		SO_2	0.50	0.01
		VOC	0.20	0.01

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**
45	Fire Water Pump No. 2 (9) (100 hours per rolling 12 months)	CO	1.10	0.10
		NO_x	5.20	0.30
		PM_{10}	0.50	0.01
		SO_2	0.50	0.01
		VOC	0.20	0.01
48	800-hp Caterpillar G399TAA Engine (5) (8)	CO	5.30	23.20
		NO_x	5.30	23.20
		PM_{10}	0.10	0.30
		SO_2	0.01	0.01
		VOC	0.71	3.10
49	800-hp Caterpillar G399TAA Engine (5) (7)	CO	5.30	23.20
		NO_x	0.88	3.86
		PM_{10}	0.12	0.50
		SO_2	0.01	0.01
		VOC	0.14	0.60
50	800-hp Caterpillar G399TAA Engine (5) (7)	CO	5.30	23.20
		NO_x	0.88	3.86
		PM_{10}	0.12	0.50
		SO_2	0.01	0.01
		VOC	0.14	0.60
51	800-hp Caterpillar G399TAA Engine (5) (7)	CO	5.30	23.20
		NO_x	0.88	3.86
		PM_{10}	0.12	0.50
		SO_2	0.01	0.01
		VOC	0.14	0.60
52A	800-hp Caterpillar G399TAA Engine (5) (7)	CO	5.30	23.20
		NO_x	0.88	3.86
		PM_{10}	0.12	0.50
		SO_2	0.01	0.01
		VOC	0.14	0.60
53A	550-hp Caterpillar G398TA	CO	3.63	15.90

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**
	Engine (7)	NO_x	0.61	2.66
		PM_{10}	0.10	0.40
		SO_2	0.01	0.01
		VOC	0.12	0.50
57	1,478-hp Waukesha L-7042GL Engine	CO	9.77	42.78
		NO_x	6.51	28.51
		PM_{10}	0.12	0.50
		SO_2	0.01	0.01
		VOC	2.29	10.00
58A	800-hp Superior 8G-825 Compressor Engine	CO	3.53	15.43
		NO_x	0.88	3.86
		PM_{10}	0.14	0.60
		SO_2	0.01	0.02
		VOC	1.76	7.73
64	H-301 Regen. Gas Heater	CO	0.92	4.00
		NO_x	1.10	4.80
		PM_{10}	0.10	0.40
		SO_2	0.01	0.01
		VOC	0.10	0.30
65	M4 Inlet Glycol Reconc. Heater	CO	0.16	0.70
		NO_x	0.20	0.80
		PM_{10}	0.03	0.10
		SO_2	0.01	0.01
		VOC	0.01	0.01
66	Routine Process Flare	CO	109.40	17.20
		H_2S	0.01	0.01
		NO_x	54.80	8.50
		SO_2	0.48	0.07
		VOC	218.00	33.20
70	Unit 4 Swing Amine Vent	VOC	2.54	11.10

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**
73VNT	Plant 1 Amine Unit Regenerator Vent	VOC	2.54	11.12
74VNT	Plant 2 Amine Unit Regenerator Vent	VOC	2.80	12.20
75VNT	Plant 3 Amine Unit Regenerator Vent	VOC	2.65	11.60
C-5A	4,333-hp Solar Centaur T-4700 (10)	CO	5.00	21.70
		NO_x	6.80	29.70
		PM_{10}	0.30	1.30
		SO_2	0.03	0.10
		VOC	1.44	6.30
C-5B	4,333-hp Solar Centaur T-4700 (10)	CO	5.00	21.70
		NO_x	6.80	29.70
		PM_{10}	0.30	1.30
		SO_2	0.03	0.10
		VOC	1.44	6.30
C-6A	1,400-hp Waukesha 7044 GSI (10)	CO	9.26	40.56
		NO_x	1.54	6.76
		PM_{10}	0.23	1.00
		SO_2	0.03	0.10
		VOC	3.09	13.52
C-6B	1,400-hp Waukesha 7044 GSI (10)	CO	9.26	40.56
		NO_x	1.54	6.76
		PM_{10}	0.23	1.00
		SO_2	0.03	0.10
		VOC	3.09	13.52
G-101	1,160-hp Waukesha 7042 GSI (10)	CO	7.67	33.6
		NO_x	1.28	5.60

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**
		PM_{10}	0.16	0.70
		SO_2	0.03	0.10
		VOC	2.56	11.20
G-102	1,160-hp Waukesha 7042 GSI (10)	CO	7.67	33.6
		NO_x	1.28	5.60
		PM_{10}	0.16	0.70
		SO_2	0.03	0.10
		VOC	2.56	11.20
G-103	1,160-hp Waukesha 7042 GSI (10)	CO	7.67	33.6
		NO_x	1.28	5.60
		PM_{10}	0.16	0.70
		SO_2	0.03	0.10
		VOC	2.56	11.20
G-104	1,160-hp Waukesha 7042 GSI (10)	CO	7.67	33.6
		NO_x	1.28	5.60
		PM_{10}	0.16	0.70
		SO_2	0.03	0.10
		VOC	2.56	11.20
P5-VNT	Plant 5 Amine Still Vent	VOC	1.23	5.40
TK-32	5,000-Barrel Condensate Tank	VOC	0.50	2.20
TK-33	New Oil Storage Tank	VOC	0.01	0.02
TK-34	Used Oil Storage Tank	VOC	0.01	0.01
FUG	Plant Process Fugitives (4)	VOC	18.90	82.79

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM_{10} - particulate matter (PM) equal to or less than 10 microns
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) These sources are included in Permit Number PSDTX432M2.
(6) This pollutant is subject to Permit Number PSDTX206M1.
(7) Equipped with catalytic converter.
(8) Clean burn engine.
(9) These Engines (EPNs 44 and 45) shall only be run for a maximum of 104 hours per year.
(10) Equipped with non-selective catalytic converter and air-fuel ratio controller.

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

24 Hrs/day 7 Days/week 52 Weeks/year

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

Dated March 23, 2010