EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56649

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**
B1	Storage Tank B1	VOC	0.55	0.01
B2	Storage Tank B2	VOC	1.17	0.01
B3	Storage Tank B3	VOC	0.01	0.01
B4	Storage Tank B4	VOC	1.14	0.01
B5	Storage Tank B5	VOC	0.41	0.01
B6	Storage Tank B6	VOC	0.46	0.01
B7	Storage Tank B7	VOC	0.66	0.01
B8	Storage Tank B8	VOC	0.01	0.03
B9	Storage Tank B9	VOC	2.45	0.01
B10	Storage Tank B10	VOC	0.01	0.01
B11	Storage Tank B11	VOC	0.11	0.01
B12	Storage Tank B12	VOC	1.17	0.01
B13	Storage Tank B13	VOC	0.29	0.01
B14	Storage Tank B14	VOC	0.05	0.01
B15	Storage Tank B15	VOC	4.41	0.02

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
B16	Storage Tank B16	VOC	2.86	0.02
B17	Storage Tank B17	VOC	3.87	0.02
B18	Storage Tank B18	VOC	0.01	0.01
B19	Storage Tank B19	VOC	0.31	0.01
B20	Storage Tank B20	VOC	0.04	0.01
B28	Storage Tank B28	VOC	0.14	0.01
BFug	Blending Fugitives (4)	VOC	0.54	2.37
Boiler1	Hot Water Washer Boiler	VOC	0.01	0.04
		NO_x	0.18	0.77
		SO_2	0.03	0.12
		PM	0.01	0.06
		CO	0.15	0.65
Boiler2	Blending Plant Boiler	VOC	0.01	0.03
		NO_x	0.12	0.52
		SO_2	0.02	0.08
		PM	0.01	0.04
		CO	0.10	0.43
BT1	Biotreater 1	VOC	0.05	0.21
		NH_3	0.05	0.20
BT2	Biotreater 2	VOC	0.05	0.21
		NH_3	0.05	0.20
BTFug	Blending Tank Fugitives (4)	VOC	0.14	0.63
CT1	Cooling Tower 1 (4)	VOC	0.08	0.33
		PM	0.04	0.16

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
CT2	Cooling Tower 2 (4)	VOC	0.08	0.33
		PM	0.04	0.16
FlaFug	Flammable Fugitives (4)	VOC	0.03	0.12
R2Fug	Reactor R002 Fugitives (4)	VOC	0.28	1.22
		NH_3	0.03	0.14
R4Fug	Reactor R004 Fugitives (4)	VOC	0.34	1.49
		NH_3	0.02	0.09
R6Fug	Reactor R006 Fugitives (4)	VOC	0.48	2.10
S501	Scrubber S501 for Reactor R004	VOC	1.64	1.67
		NH_3	0.08	0.18
SS-1	Scrubber SS-1	VOC	1.54	0.26
		NH_3	0.05	0.08
		Ammonium Sulfate Tech 50#	0.01	0.01
		Barium Sulfate	0.01	0.01
		Calcium Chloride	0.01	0.01
		Caustic Soda 50%	0.01	0.01
		H_3PO_2 50%	0.01	0.01
		Magnesium Oxide	0.01	0.01
		Sodium Bicarbonate	0.01	0.01
		Sodium Thiosulfate	0.27	0.01
T3	Storage Tank T3	VOC	2.12	0.01
T8	Storage Tank T8	VOC	0.04	0.01
T11	Storage Tank T11	VOC	2.64	0.04
T12	Storage Tank T12	VOC	0.03	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**
T14	Storage Tank T14	VOC	0.10	0.01
T15	Storage Tank T15	VOC	0.05	0.01
T16	Storage Tank T16	VOC	0.08	0.01
T19	Storage Tank T19	VOC	0.01	0.01
T20	Storage Tank T20	VOC	0.01	0.01
T22	Storage Tank T22	VOC	0.01	0.01
T24	Storage Tank T24	VOC	0.01	0.01
T26	Storage Tank T26	VOC	0.01	0.01
T28	Storage Tank T28	VOC	0.01	0.03
T29	Storage Tank T29	VOC	0.01	0.03
T31	Storage Tank T31	VOC	0.64	0.01
T32	Storage Tank T32	VOC	0.01	0.01
T34	Storage Tank T34	VOC	0.11	0.02
T37	Storage Tank T37	VOC	0.27	0.01
T47	Storage Tank T47	VOC	0.01	0.01
T48	Storage Tank T48	VOC	0.01	0.01
T49	Storage Tank T49	VOC	0.11	0.01
T50	Storage Tank T50	VOC	0.85	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**
T51	Storage Tank T51	VOC	0.11	0.01
T52	Storage Tank T52	VOC	0.11	0.01
T53	Storage Tank T53	VOC	0.51	0.01
T54	Storage Tank T54	VOC	0.53	0.01
T55	Storage Tank T55	VOC	0.41	0.02
T57	Storage Tank T57	VOC	0.41	0.01
T58	Storage Tank T58	VOC	0.34	0.01
T59	Storage Tank T59	VOC	0.31	0.01
T61	Storage Tank T61	VOC	0.03	0.01
T62	Storage Tank T62	VOC	0.11	0.01
T63	Storage Tank T63	VOC	0.11	0.01
T66	Storage Tank T66	VOC	0.85	0.01
T67	Storage Tank T67	VOC	0.01	0.01
T69	Storage Tank T69	VOC	0.01	0.01
T89	Storage Tank T89	NH_3	0.09	0.02
T89 Load	Tank 89 Loading	NH_3	0.01	0.04
T101	Storage Tank T101	VOC	0.06	0.01
T200	Storage Tank T200	VOC	0.01	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**
T207	Storage Tank T207	VOC	0.01	0.01
T208	Storage Tank T208	VOC	0.01	0.01
T209	Storage Tank T209	VOC	0.02	0.01
T210	Storage Tank T210	VOC	0.01	0.01
T213	Storage Tank T213	VOC	0.01	0.01
T214	Storage Tank T214	VOC	0.01	0.01
T220	Storage Tank T220	VOC	0.02	0.01
T221	Storage Tank T221	VOC	0.06	0.01
T222	Storage Tank T222	VOC	0.01	0.01
T223	Storage Tank T223	VOC	0.01	0.01
T224	Storage Tank T224	VOC	0.14	0.01
T225	Storage Tank T225	VOC	0.01	0.01
T1101	Storage Tank T1101	VOC	0.21	0.01
T1503	Storage Tank T1503	VOC	0.53	0.01
Tank Fug	Storage Tank Fugitives (4)	VOC	1.99	8.71
V-64/65	Scrubber V-64/65 for Reactor R002	VOC NH_3	0.01 0.51	0.01 0.36
WFE	Wiped Film Evaporator	VOC	0.13	0.55

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**
WFEFug	Wiped Film Evaporator Fugitives (4)	VOC	0.19	0.82
WWFug1	Waste Water Fugitives 1 (4)	VOC	0.48	2.12
WWFug2	Waste Water Fugitives 2 (4)	VOC	0.19	0.83
		NH_3	0.01	0.01
WWLoad	T220 to T225 Loading	VOC	0.01	0.01
		NH_3	0.01	0.01

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter 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.
CO - carbon monoxide
NH_3 - ammonia
H_3PO_2 - hypophosphorous acid
(4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

* 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 8,760 Hrs/year

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**

Dated April 5,2007