

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49675

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**
<u>Area D Tanks:</u>				
TC1-01	Tank 1-01	Inorganic	0.04	0.01
TC1-02	Tank 1-02	Inorganic	0.01	0.01
TC1-16	Tank 1-16	Inorganic	0.01	0.01
TC1-23	Tank 1-23	VOC	0.01	0.01
TC1-24	Tank 1-24	Inorganic	0.01	0.01
AreaD-TankFUG	Area D Tank Fugitives(4)	VOC	0.01	0.01
		Inorganic	0.01	0.01
<u>Area E Tanks:</u>				
TC1-03	Tank 1-03	Inorganic Acid	0.01	0.01
TC1-04	Tank 1-04	Inorganic Acid	0.01	0.01
TC1-08	Tank 1-08	Inorganic Acid	0.01	0.01
TC1-09	Tank 1-09	Inorganic Acid	0.01	0.01
TC1-10	Tank 1-10	Inorganic	0.01	0.01
TC1-12	Tank 1-12	Inorganic	0.01	0.01
TC1-13	Tank 1-13	Inorganic Acid	0.02	0.01
TC1-14	Tank 1-14	VOC	0.02	0.01
TC1-20	Tank 1-20	VOC	0.01	0.01
TC1-25	Tank 1-25	Inorganic Acid	0.02	0.01
AreaE-TankFUG	Area E Tank Fugitives(4)	VOC	0.04	0.01
		Inorganic Acid	0.11	0.01
		Inorganic	0.06	0.01
<u>Area N Tanks:</u>				
TC2-01	Tank 2-01	VOC	0.44	0.03
TC2-02	Tank 2-02	VOC	0.01	0.01
TC2-04	Tank 2-04	Inorganic	0.01	0.01
AreaN-TankFUG	Area N Tank Fugitives(4)	VOC	0.03	0.01
		Inorganic	0.01	0.01

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AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
<u>Area T Tanks:</u>				
TS1-01	Tank 1-01	VOC	0.01	0.01
TS1-03	Tank 1-03	VOC	0.01	0.01
TS1-06	Tank 1-06	VOC	3.07	0.02
TS1-07	Tank 1-07	VOC	3.07	0.02
TS1-09	Tank 1-09	VOC	1.35	0.06
TS1-10	Tank 1-10	VOC	0.02	0.01
TS1-11	Tank 1-11	VOC	2.48	0.01
TS1-12	Tank 1-12	VOC	3.07	0.01
TS1-13	Tank 1-13	VOC	0.31	0.01
TS1-14	Tank 1-14	VOC	1.47	0.01
TS1-15	Tank 1-15	VOC	0.01	0.01
TS1-16	Tank 1-16	VOC	3.07	0.03
TS1-17	Tank 1-17	VOC	1.20	0.01
TS1-18	Tank 1-18	VOC	1.20	0.01
TS1-19	Tank 1-19	VOC	3.07	0.01
TS1-20	Tank 1-20	VOC	0.04	0.01
TS1-21	Tank 1-21	VOC	0.22	0.01
TS1-22	Tank 1-22	VOC	1.20	0.01
TS1-23	Tank 1-23	VOC	3.63	0.02
TS1-24	Tank 1-24	VOC	0.01	0.01
TS1-25	Tank 1-25	VOC	9.37	0.10
TS1-26	Tank 1-26	VOC	9.30	0.36
TS1-27	Tank 1-27	VOC	23.65	0.25
TS1-28	Tank 1-28	VOC	3.07	0.01
TS1-29	Tank 1-29	VOC	2.32	0.01
TS1-30	Tank 1-30	VOC	1.29	0.01
TS1-31	Tank 1-31	VOC	0.01	0.01
TS1-32	Tank 1-32	VOC	1.17	0.01
TS1-33	Tank 1-33	VOC	0.79	0.01
TS1-34	Tank 1-34	VOC	9.37	0.10
TS1-35	Tank 1-35	VOC	3.16	0.03
TS1-36	Tank 1-36	Non-VOC Organic	49.77	0.53
TS1-37	Tank 1-37	VOC	0.65	0.01
TS1-38	Tank 1-38	VOC	0.03	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
TS1-39	Tank 1-39	VOC	0.28	0.01
TS1-40	Tank 1-40	VOC	6.84	0.03
TS1-41	Tank 1-41	VOC	1.67	0.01
TS1-42	Tank 1-42	VOC	6.84	0.03
TS1-44	Tank 1-44	VOC	0.01	0.01
TS1-48	Tank 1-48	VOC	0.85	0.01
TS1-105	Tank 1-105	VOC	0.84	0.04
AreaT-TankFUG	Area T Tank Fugitives(4)	VOC	1.97	0.02
		Non-VOC- Organic	0.05	0.01
<u>Area W Tanks:</u>				
TW1-02	Tank 1-02	Inorganic Acid	0.01	0.01
TW1-03	Tank 1-03	Inorganic	0.01	0.01
TW1-04	Tank 1-04	VOC	0.01	0.01
TW1-05	Tank 1-05	Inorganic	0.01	0.01
TW1-06	Tank 1-06	Inorganic	0.01	0.01
TW1-07	Tank 1-07	VOC	0.01	0.01
TW1-08	Tank 1-08	Inorganic	0.01	0.01
TW1-11	Tank 1-11	VOC	0.01	0.01
TW1-12	Tank 1-12	Inorganic	0.01	0.01
TW1-13	Tank 1-13	VOC	0.02	0.01
TW1-14	Tank 1-14	VOC	0.03	0.01
TW1-15	Tank 1-15	VOC	0.01	0.01
TW1-19	Tank 1-19	VOC	0.01	0.01
TW1-21	Tank 1-21	VOC	0.76	0.01
AreaW-TankFUG	Area W Tank Fugitives(4)	VOC	0.11	0.01
		Inorganic Acids	0.01	0.01
		Other Inorganics	0.03	0.01
EPN 6A	Warm Room Vent 1	VOC	0.43	0.01
EPN 6B	Warm Room Vent 2	VOC	0.43	0.01
<u>Area E Loading:</u>				
EPN7	Area E Loading(uncontrolled)	VOC	0.15	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**
		Inorganics	0.39	0.01
SCRUB-LE	Area E Loading	VOC	0.46	0.24
		Inorganics	0.02	0.02
		Inorganic Acids	0.02	0.17
LE-FUG	Area E Loading Fugitives(4)	VOC	0.29	0.01
		Inorganic Acids	0.11	0.01
		Other Inorganics	0.28	0.01
<u>Area N Loading:</u>				
SCRUB-LN	Area N Loading	VOC	0.02	0.12
		Inorganics	0.09	0.19
LN-FUG	Area N Loading Fugitives(4)	VOC	0.06	0.01
		Inorganics	0.05	0.01
<u>Area T Loading:</u>				
EPN 9 and 10	Area T Loading(uncontrolled)	VOC	64.24	0.47
		Inorganics	0.01	0.01
SCRUB-LT	Area T Loading	VOC	1.90	2.66
		Non-VOC Organics	0.41	0.74
		Inorganic Acids	0.01	0.01
CAS-LT	Area T Loading	VOC	22.93	4.75
		Non-VOC Organics	1.76	0.05
LT-FUG	Area T Loading Fugitives(4)	VOC	5.93	0.05
		Non-VOC Organics	0.15	0.01
		Inorganic Acid	0.02	0.01
		Other Inorganics	0.05	0.01
<u>Area W Loading:</u>				
EPN 11	Area W Loading(uncontrolled)	VOC	2.34	0.01
		Inorganics	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**
SCRUB-LW	Area W Loading	VOC	0.31	0.27
		Inorganics	0.01	0.01
CAS-LW	Area W Loading	VOC	0.02	0.01
LW-FUG	Area W Loading Fugitives(4)	VOC	2.43	0.02
		Inorganic Acid	0.04	0.01
		Other Inorganics	0.20	0.01
<u>Area D Drumming:</u>				
EPN 12	Area D Drumming (uncontrolled)	VOC	0.01	0.01
		Inorganics	0.03	0.01
SCRUB-DD	Area D Drumming	Inorganics	0.01	0.04
DD-FUG	Area D Drumming Fugitives(4)	VOC	0.09	0.01
		Inorganics	0.28	0.02
<u>Area E Drumming:</u>				
EPN 13	Area E Drumming (uncontrolled)	VOC	0.21	0.01
		Inorganics	0.06	0.01
SCRUB-DE	Area E Drumming	VOC	0.17	0.30
		Inorganic Acid	0.07	0.21
		Other Inorganics	0.12	0.10
DE-FUG	Area E Drumming Fugitives(4)	VOC	0.66	0.01
		Inorganic Acid	0.37	0.04
		Other Inorganics	0.64	0.06
<u>Area T Drumming:</u>				
EPN 14 and 15	Area T Drumming (uncontrolled)	VOC	45.80	0.51
		Non-VOC Organics	9.26	0.05
		Inorganics	2.22	0.02
SCRUB-DT	Area T Drumming	VOC	0.12	0.06
CAS-DT	Area T Drumming	VOC	22.89	5.43

EMISSIONS FROM SOURCE(S) MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
		non-VOC Organics	1.62	0.61
DT-FUG	Area T Drumming Fugitives(4)	VOC	7.57	0.11
		Non-VOC Organics	0.13	0.01
		Inorganic Acid	0.02	0.01
		Other Inorganics	0.09	0.01
<u>Area W Drumming:</u>				
EPN 16	Area W Drumming (uncontrolled)	VOC		2.54
		0.03		
SCRUB-DW	Area W Drumming	VOC	0.25	0.21
		Non-VOC Organics	0.01	0.01
DW-FUG	Area W Drumming Fugitives(4)	VOC	3.35	0.04
		Inorganic Acids	0.11	0.01
		Other Inorganics	0.24	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

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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.

EMISSIONS FROM SOURCE SUMMATION TABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

Dated December 20, 2002