

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9828

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)	<u>Emission Rates *</u>	
			lb/hr	TPY **
E-1	Scrubber No. 1 Exhaust	VOC	30.22	0.68
		PM <sub>10</sub>	0.04	0.03
EPRV1	EP Room Vent 1	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
EPRV2	EP Room Vent 2	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
EPWV	EP Room Wall Vent	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
E-2	Scrubber No. 2 Exhaust	VOC	30.22	0.68
		PM <sub>10</sub>	0.04	0.03
ISRV1	In-Situ Room Vent 1	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
ISRV2	In-Situ Room Vent 2	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
ISRV3	In-Situ Room Vent 3	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
ISRV4	In-Situ Room Vent 4	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
ISWV1	In-Situ Room Wall Vent 1	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01

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			lb/hr	TPY**
ISWV2	In-Situ Room Wall Vent 2	VOC	5.45	0.13
		PM <sub>10</sub>	0.01	0.01
WHRV1	Warehouse Roof Vent 1	VOC	0.09	0.01
WHRV2	Warehouse Roof Vent 2	VOC	0.09	0.01
WHRV3	Warehouse Roof Vent 3	VOC	0.09	0.01
WHRV4	Warehouse Roof Vent 4	VOC	0.09	0.01
WHRV5	Warehouse Roof Vent 5	VOC	0.09	0.01
WHRV6	Warehouse Roof Vent 6	VOC	0.09	0.01
WHWV	Warehouse Wall Vent	VOC	2.50	0.07
WHWF	Warehouse Wall Fin	VOC	2.50	0.07
POF-FUG	Component Fugitives (4) and Tank Losses	VOC	0.59	1.50
TLD1-FUG	Truck Loading Area 1	VOC	9.90	0.60
TLD2-FUG	Truck Loading Area 2	VOC	9.90	0.60
TLD3-FUG	Truck Loading Area 3	VOC	9.90	0.60
TLD4-FUG	Truck Loading Area 4	VOC	9.90	0.60
TWA-FUG	Truck Washing Area	VOC	9.90	0.85
T-09111	Tank 09111	VOC	0.88	0.02
T-09126	Tank 09126	VOC	0.95	0.06
T-09156	Tank 09156	VOC	1.03	0.02

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T-09157	Tank 09157	VOC	0.99	0.17
T-09158	Tank 09158	VOC	1.00	0.04
T-09203	Tank 09203	VOC	0.55	0.04
T-09216	Tank 09216	VOC	0.18	0.01
BISCRUBR	Tank 09217	SO <sub>2</sub>	0.15	0.01
T-09218	Tank 09218	VOC	0.29	0.01
T-0926	Tank 0926	VOC	0.02	0.01
T-0927	Tank 0927	VOC	0.02	0.01
T-0930	Tank 0930	VOC	0.01	0.01
T-0937	Tank 0937	VOC	0.98	0.05
T-0938	Tank 0938	VOC	0.98	0.05
T-0944	Tank 0944	VOC	4.46	0.46
T-0945	Tank 0945	VOC	0.63	0.04
T-0946	Tank 0946	VOC	0.24	0.01
T-0947	Tank 0947	VOC	0.01	0.01
T-0963	Tank 0963	VOC	1.33	0.09
T-09221	Tank 09221	VOC	1.48	0.10
T-09220	Tank 09220	VOC	0.01	0.01

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T-09222	Tank 09222	VOC	0.01	0.01
T-09223	Tank 09223	VOC	0.01	0.01
T-Diesel	Diesel Storage Tank	VOC	0.34	0.02
CMP-FUG	Component Fugitives (4)	VOC	0.62	2.73
E-3	Boiler Exhaust Stack	VOC	0.04	0.19
		NO <sub>x</sub>	0.40	1.75
		PM <sub>10</sub>	0.06	0.27
		SO <sub>2</sub>	0.12	0.53
		CO	0.67	2.95
CT-1	Cooling Tower	PM <sub>10</sub>	0.68	3.00
EE-1	Emergency Engine Exhaust Stack	VOC	0.67	0.29
		PM <sub>10</sub>	0.58	0.26
		NO <sub>x</sub>	8.22	3.60
		CO	1.77	0.78
		SO <sub>2</sub>	0.54	0.24
HB-1	Hot Box 1 Exhaust Stack	VOC	0.01	0.01
HB-2	Hot Box 2 Exhaust Stack	VOC	0.01	0.01
HB-3	Hot Box 3 Exhaust Stack	VOC	0.01	0.01
LAB	Lab Hood Exhaust Stack	VOC	0.01	0.02

**MAINTENANCE, STARTUP, AND SHUTDOWN (MSS) EMISSIONS**

MSS - Pumps	Pump Maintenance	VOC	0.01	0.01
MSS - PRV	PRV Maintenance	VOC	0.01	0.01
MSS - AST	Storage Tanks	VOC	0.51	0.01

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MSS - AERO	Use of Aerosol Products	VOC	1.31	0.03
MSS - VAC	Vacuum Truck Use	VOC	0.01	0.01
MSS - Weld	Welding	PM <sub>10</sub>	0.55	0.01
MSS - Blast	Sand Blasting	PM <sub>10</sub>	0.63	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<sub>x</sub> - total oxides of nitrogen  
 PM<sub>10</sub> - 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.  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide
- (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:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated June 1, 2010