

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 556A

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**
HYP-DRY 01-09	Basement Exhaust Stacks (5)	VOC	67.41	68.80
		VOC (5)	50.00	
HYP-ADS 112	Carbon Adsorption System	Cl <sub>2</sub>	2.10	3.10
		CO	24.42	54.40
		HCl	3.60	5.30
		VOC	60.00	159.00
HYP-FUG	Fugitives (4)	Cl <sub>2</sub>	0.29	1.31
		HCl	0.19	0.81
		SO <sub>2</sub>	0.30	1.32
		SO <sub>2</sub> Cl <sub>2</sub>	0.48	2.11
		VOC	3.21	14.03
HYP-CLT117	Cooling Tower (6)	PM	0.23	0.61
		VOC	0.54	1.57
HYP-LABDD	Lab Drum Dryer (6)	VOC	3.00	4.51
HYP-RXVNT	Reactor Cyclone Vents	VOC	5.91	14.16
HYP-BLW338	Acid Waste Treatment Vent	Cl <sub>2</sub>	0.10	0.45
		SO <sub>2</sub>	0.01	0.01
HYP-STK401	Propylene Glycol Tank	VOC	0.08	0.01

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3)  $\text{Cl}_2$  - chlorine  
CO - carbon monoxide  
HCl - hydrogen chloride  
PM - particulate matter, suspended in the atmosphere, including  $\text{PM}_{10}$   
 $\text{PM}_{10}$  - 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.  
 $\text{SO}_2$  - sulfur dioxide  
 $\text{SO}_2\text{Cl}_2$  - sulfuryl chloride  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) The Basement Exhaust Stacks (EPN HYP-DRY 01-09) shall be limited to 50.0 pounds per hour of VOC averaged over a 24-hour period.
- (6) The permit by rule (PBR) which originally authorized this source and these emissions is consolidated by reference into this permit. The PBR will remain in effect. The emissions shown here have been evaluated for health effects. The source has not been evaluated for conformance with best available control technology guidelines.

\* 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 February 2, 2010