

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 47358

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**
41VNT_001	Ketone 1 Hot well	VOC	0.01	0.01
41VNT_002	Plant 1 Quench Drum	VOC	0.01	0.01
42CTL_007	Cooling Tower No. 7	VOC (5)	3.15	13.80
		VOC (6)	0.74	3.22
42VNT_001	Ketone 2 Nitrogen Vent	VOC	1.47	6.43
41CAF_001	Plant 1 Process Fugitives (4) Chillers and Filters	VOC	87.90	385.00
41FUG_001	Process Fugitives (4)	NH ₃	34.83	152.55
		VOC	27.65	
42CAF_001	Plant 2 Process Fugitives (4) Chillers and Filters	VOC	100.46	440.00
42FUG_001	Process Fugitives (4)	VOC	23.75	104.02
42VNT_002	Plant 2 Quench Drum (4)	VOC (7)	2.45	10.73

(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) NH₃ - ammonia

VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1.

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Pre emission control
- (6) Post emission control
- (7) The EPN will be controlled within one year of permit issuance by installation of rupture discs on gaseous relief valves in Ketone Plant No. 2.

* 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 February 21, 2005