

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 260

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**
60HACAFUG	Acrylic Acid Fugitives (4)	VOC	7.33	32.15
		CO	0.20	0.85
		Acetone	0.49	2.14
		Methyl Acetate	0.21	0.92
66MN3ST and/or 66MN4ST	Acrylates II (300 MMBtu/hr Gas-Fired Vapor Incinerators - Maximum One or Both Operating)	VOC	6.70	8.42
		PM ₁₀	1.14	4.99
		NO _x	55.08	89.64
		CO	53.36	182.57
		SO ₂	0.15	0.67
51MN1147ST	Propylene Flare	VOC	55.01	0.04
		NO _x	5.27	0.12
		SO ₂	0.01	0.01
		CO	38.29	0.60
51MN1147ST	Propylene Flare (5)	VOC	250.01	1.54
		NO _x	23.89	0.23
		SO ₂	0.01	0.01
		CO	172.51	1.45
60MT8FUG	Cooling Tower MT-8 (4)	VOC	4.12	18.03
60MT19FUG	Cooling Tower MT-19 (4)	VOC	2.56	11.20
26UTLFLR	Utilities Flare	VOC	1.37	3.85
		NO _x	0.08	0.24
		CO	0.43	1.21

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
60MN108ST	Acrylates I (300 MMBtu/hr Gas-Fired 6.76		VOC	5.42
and/or 60MN109ST	Vapor Incinerators - Maximum One or Both Operating)	NO _x	50.35	69.55
		CO	55.24	168.02
		NH ₃	57.54	33.26
60INCFUG	Fugitives from Incinerator System	VOC	1.63	7.16
		Acetone	0.16	0.72
		NH ₃	0.02	0.07
		CO	0.06	0.25
		SO ₂	0.42	1.84
		Sulfuric Acid	0.16	0.72
		Methyl Acetate	0.11	0.50
63OLLDFUG	Organic Liquid Loading Fugitives (4)	VOC	0.28	0.01
63WWLDFUG	Wastewater Loading Fugitives (4)	VOC	1.10	0.07
60V1403ST	Tank V1403	NH ₃	2.19	0.74
66NH3FUG	Ammonia Fugitives (4)	NH ₃	0.88	3.84

(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
PM₁₀ - 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.

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

NH₃ - ammonia (vapor from aqueous ammonia system)

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

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(5) Increased emissions from the propylene flare are due to equipment testing. The higher emission rate from the flare is only allowed through June 30, 2006.

* 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 December 13, 2005