

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 264

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
60MN108ST/ 60MN109ST	Acrylates I (300 MMBtu/hr Gas-Fired Vapor/Liquid Incinerators - Maximum of One or Both Operating)	VOC	13.39	25.57
		NO _x	112.32	342.11
		SO ₂	520.0	2289.0
		PM ₁₀	86.52	315.69
		CO	151.92	445.42
		NH ₃	57.44	33.26
		I ₂	7.48	11.59
		HI	7.63	11.68
		Cl ₂	1.20	4.06
		HCl	1.24	3.95
63MN457ST	Organic Liquids Incinerator (31 MMBtu/hr Gas-Fired RCRA Liquid Incinerator)	VOC	1.26	5.51
		NO _x	32.0	127.5
		SO ₂	4.0	17.5
		PM ₁₀	3.31	14.49
		CO	2.79	12.20
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	55.0	0.03
		NO _x	5.26	0.06
		SO ₂	0.01	0.01
		CO	38.00	0.31

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
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
		Sulfur Dioxide	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	0.74	2.19
66NH3FUG	Ammonia Fugitives (4)	NH ₃	0.88	3.84

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

NH₃ - ammonia (vapor from aqueous ammonia system)

I₂ - iodine (vapor)

HI - hydrogen iodide (vapor)

Cl₂ - chlorine (vapor)

HCl - hydrogen chloride

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

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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

Dated January 30, 2004