

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
60HACAFUG	Acrylic Acid Fugitives (5)	VOC	8.71	32.23
		CO	0.20	0.85
		Acetone	0.49	2.14
		Methyl Acetate	0.21	0.92
60MN108ST / 60MN109ST	Acrylates I Incinerators	VOC	1.14	5.00
		NO _x	27.94	122.40
		CO	11.66	51.06
		PM ₁₀	16.18	70.85
		PM _{2.5}	16.18	70.85
		SO ₂	0.07	0.32
		I ₂	7.48	11.59
		HI	7.63	11.68
		Cl ₂	1.20	4.06
		HCl	1.24	3.95
		NH ₃	57.54	33.26
66MN3ST / 66MN4ST	Acrylates II Incinerators	VOC	1.70	7.45
		NO _x	8.98	39.34
		CO	15.34	67.18
		PM ₁₀	1.14	4.99
		PM _{2.5}	1.14	4.99

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		SO ₂	0.09	0.39
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
60MT8FUG	Cooling Tower MT-8	VOC	4.12	18.03
		PM	0.75	3.29
		PM ₁₀	0.75	3.29
		PM _{2.5}	0.75	3.29
60MT19FUG	Cooling Tower MT-19	VOC	2.56	11.20
		PM	0.53	2.30
		PM ₁₀	0.53	2.30
		PM _{2.5}	0.53	2.30
26UTLFLR	Utilities Flare	VOC	1.37	3.85
		NO _x	0.08	0.24
		CO	0.43	1.21
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
66NH3FUG	Ammonia Fugitives (5)	NH ₃	0.88	3.84

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

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- (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
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- I₂ - Iodine
- NH₃ - Ammonia
- HI - Hydrogen Iodide
- Cl₂ - chlorine
- HCl - hydrogen chloride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: October 16, 2015