

Emission Sources - Maximum Allowable Emission Rates

Permit Number 149639

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)
CWT	Cooling Tower	VOC	1.02	4.47
		PM	0.32	1.40
		PM ₁₀	0.22	0.95
		PM _{2.5}	<0.01	<0.01
H1	Waste Heat Recovery Unit	VOC	0.46	2.15
		NO _x	7.80	28.29
		CO	9.05	45.27
		SO ₂	0.37	1.71
		PM	7.80	14.26
		PM ₁₀	7.80	14.26
		PM _{2.5}	7.80	14.26
		NH ₃	0.67	2.42
		Hydrocyanic Acid	3.56	0.25
		H ₂ S	<0.01	<0.01
H2	Thermal Oxidizer / Scrubber	VOC	0.07	0.19
		NO _x	0.45	1.99
		CO	0.37	1.62
		SO ₂	3.26	8.30
		PM	0.03	0.15
		PM ₁₀	0.03	0.15
		PM _{2.5}	0.03	0.15
		NH ₃	1.16	5.14
		Hydrocyanic Acid	<0.01	<0.01
		H ₂ SO ₄	<0.01	<0.01

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Flare	Flare	VOC	0.71	0.01
		NO _x	63.14	1.45
		CO	102.87	1.61
		SO ₂	0.07	<0.01
		NH ₃	117.44	0.70
		Hydrocyanic Acid	10.26	0.33
FUG-1	Area 1 Fugitives	VOC	<0.01	0.01
		NH ₃	0.02	0.08
		Hydrocyanic Acid	0.11	0.49
FUG-2	Area 2 Fugitives	VOC	4.04	17.69
		NH ₃	0.01	0.03
		Hydrocyanic Acid	0.10	0.44
GEN	Backup Generator	VOC	2.20	0.11
		NO _x	4.41	0.22
		CO	8.82	0.44
		SO ₂	<0.01	<0.01
		PM	0.36	0.02
		PM ₁₀	0.36	0.02
		PM _{2.5}	0.36	0.02
FB-5307	H ₂ SO ₄ Storage Tank	H ₂ SO ₄	<0.01	<0.01
FB-5304	Caustic Storage Tank	NaOH	0.06	0.03
FB-5204	Chilled Glycol Water Tank	VOC	0.41	0.01
FB-5202	H ₂ SO ₄ Day Tank	H ₂ SO ₄	<0.01	<0.01

- (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
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
H₂SO₄ - sulfuric acid

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NaOH - sodium hydroxide
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

- (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: _____ DRAFT

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