

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1157C

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)
004	Baghouse 15-03	PM ₁₀	0.03	0.14
006	Ammonia Scrubber	VOC	3.46	15.15
		NO _x	0.87	3.81
		CO	0.73	3.20
		PM/PM ₁₀	2.98	13.05
		NH ₃	9.72	42.59
		(NH ₄) ₂ SO ₄	1.72	7.53
		HCl	0.10	0.44
		H ₂ SO ₄	0.01	0.04
007	Scrubber 35-01 Stack	HCl	0.17	0.01
008	MO Precip SYS Tanks Vent	SO ₂	0.21	0.92
		PM (6)	0.11	0.47
		PM ₁₀ /PM _{2.5}	0.05	0.18
		NH ₃	0.04	0.17
		(NH ₄) ₂ SO ₄	0.02	0.07
		(NH ₄) ₂ SO ₃	0.01	0.01
		HCl	0.03	0.13
		H ₂ SO ₄	0.02	0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
22-03-T	Storage Tank Vent	VOC	0.12	0.01
03-H-16-30-T	Secondary Pond Raffinate Tank	VOC	0.01	0.01
16-06A-T	Pond Raffinate Tank	VOC	0.01	0.01
62-01-T	Storage Tank	H ₂ O ₂	0.01	0.04
F-Area 8	Fugitives (5)	VOC	0.10	0.42
F-Area 9	Fugitives (Areas 4-9,12) (5)	NH ₃	1.48	6.47
		HCl	0.22	0.96
16-01-T	Storage Tank Vent 16-01	VOC	0.01	0.04
16-10-T	Reactors (Area 8)	VOC	3.31	0.01
16-11-T				
16-12-T				
16-13-T				
16-14-T				
16-15-T				
16-10A-T				
22-15-T	Diesel Tank	VOC	0.01	0.01
22-16-T	Diesel Tank	VOC	0.01	0.01
Sandblast	Maintenance Painting/Sandblasting	VOC	6.00	1.75
		TSP	0.06	0.26
		PM ₁₀	0.02	0.08
22-15-L	Diesel Loading	VOC	0.01	0.01
OWS-1	Oil Skimmer 21-09-5	VOC	0.01	0.01

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OVS-3-T	Oil/Water Separator 28-45-B	VOC	0.01	0.01
13-36	Cooling tower	PM10	0.02	0.10
22-1-T	Ammonia Storage Fugitives	NH ₃	0.09	0.37

- (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
 - CO - carbon monoxide
 - SO₂ - sulfur dioxide
 - TSP - total suspended particulate matter less than 30 microns
 - 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
 - NH₃ - ammonia
 - (NH₄)₂SO₄ - ammonium sulfate
 - (NH₄)₂SO₃ - ammonium sulfite
 - HCl - hydrogen chloride
 - H₂SO₄ - sulfuric acid
 - H₂O₂ - hydrogen peroxide
- (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.
- (6) PM emissions include PM₁₀/PM_{2.5} as sulfuric acid, ammonium sulfate and ammonium sulfite emissions.

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