

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6221

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)
A-512	Oleum Scrubber Vent	SO ₃	0.06	0.26
B-532	Brine Surge Tank	VOC	0.01	0.01
B-550	Reactor Vent	PM	0.01	0.01
B-570	Ammonia Scrubber	NH ₃	0.15	0.01
B-632	Brine Surge Tank	VOC	0.01	0.01
DC-B580	Dust Collector	PM	0.01	0.01
FUG-AMPS	AMPS Fugitives (5)	VOC	2.49	10.92
T-1	NaAMPS Loading	VOC	0.02	0.04
X-502	AMPS Vapor Oxidizer	VOC	0.09	0.12
		PM	0.01	0.04
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04
		NO _x	0.53	0.89
		CO	0.14	0.43
		SO ₂	0.01	0.01
X-500	AMPS Flare	VOC	1.67	0.17
		NO _x	0.61	0.38
		CO	1.25	1.59
		SO ₂	0.01	0.01
CT-601	Cooling Tower	VOC	1.13	0.92
		PM	0.82	2.64
		PM ₁₀	0.82	2.64
		PM _{2.5}	0.82	2.64
MSS-AMPS	Planned	VOC	1.68	0.25

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	Maintenance Emissions			
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- (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
- NH₃ - ammonia
- SO₂ - sulfur dioxide
- SO₃ - sulfur trioxide
- 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
- (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: July 24, 2013