

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 154404

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)
C-2	Ammonia Gas Scrubber controlling emissions from Mixing Tank, Ammonium Hydroxide Product Tanks AV-201A and AV-201B, Crude Ammonium Hydroxide Tank, Sampling Box, Evaporator Offloading, Junction Box, Laboratory Fume Hoods	NH <sub>3</sub>	0.12	0.06
CT-1	Sulfuric Acid Tank CT-1	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
CT-2	Sulfuric Acid Tank CT-2	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
MSS-LP	MSS Line Purge	NH <sub>3</sub> (6)	<0.01	<0.01
		H <sub>2</sub> SO <sub>4</sub> (6)	<0.01	<0.01
FUG-1	Fugitive Area No. 1 - Equipment in Ammonia Service	NH <sub>3</sub> (5)	0.19	0.83
FUG-2	Fugitive Area No. 2 - Equipment in Sulfuric Acid Service	H <sub>2</sub> SO <sub>4</sub> (5)	0.07	0.31

- (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) NH<sub>3</sub> ammonia  
H<sub>2</sub>SO<sub>4</sub> sulfuric acid
- (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) Emission rates include planned maintenance, startup and shutdown activities.

Date: July 24, 2019