

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 84176

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. 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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
SCRUB1	TK101, Scrubber1	IOA	0.01	0.03
		VOC	0.13	0.56
		OA	0.02	0.10
		Ammonium Compounds	0.13	0.56
SCRUB2	T-34, Scrubber2	IOA	0.01	0.03
		VOC	0.13	0.56
		OA	0.02	0.10
		Ammonium Compounds	0.13	0.56
SCRUB3	TK102, Scrubber3	IOA	0.01	0.03
		VOC	0.13	0.56
		OA	0.02	0.10
		Ammonium Compounds	0.13	0.56
SCRUB4	T-6, Scrubber4	HNO <sub>3</sub>	0.09	0.04
		NH <sub>4</sub> NO <sub>3</sub>	0.02	0.01
PBR HCL SCRUB	T-34, PBR Scrubber	IOA	0.03	0.13
PLANTFUG	Receiving, Drying, Materials Transfer, Product Packaging, Blending	IOA	0.76	0.01
		VOC	0.02	0.01
		OA	1.88	0.02
		Ammonium Compounds	0.16	0.01
		PM	0.01	0.35

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

DRMLOAD	Drum Loading	IOA	0.01	0.01
		VOC	0.02	0.11
		OA	0.01	0.03
		Ammonium Compounds	0.02	0.11

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
  - HNO<sub>3</sub> - nitric acid
  - NH<sub>4</sub>NO<sub>3</sub> - ammonium nitrate
  - HCl - hydrochloric acid
  - IOA - inorganic acids with constituents such as nitric acid and hydrochloric acid
  - OA - organic acids with constituents such as acetic acid, formic acid, propionic acid, and 2-ethylhexanoic acid
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated: August 19, 2011