

# 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 BH	PM	0.03	0.11
		PM <sub>10</sub>	0.03	0.11
		PM <sub>2.5</sub>	0.03	0.11
006	Ammonia Scrubber	NH <sub>3</sub>	10.93	35.92
		CO	0.72	3.02
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		SO <sub>2</sub>	0.12	0.51
		NO <sub>x</sub>	0.86	3.59
		HCl	0.70	3.07
		PM	2.97	9.75
		PM <sub>10</sub>	2.97	9.75
		PM <sub>2.5</sub>	2.97	9.75
		VOC	2.50	6.57
007	Scrubber 35-01 Stack	HCl	0.55	0.03
008	MO Precip Scrubber	HCl	0.04	0.16
		SO <sub>2</sub>	0.21	0.92
		NH <sub>3</sub>	0.06	0.24
		H <sub>2</sub> SO <sub>4</sub>	0.05	0.20
		PM	0.10	0.44
		PM <sub>10</sub>	0.10	0.44
		PM <sub>2.5</sub>	0.10	0.44
22-03-T	Storage Tank Vent	VOC	0.43	<0.01
62-01-T	Storage Tank	H <sub>2</sub> O <sub>2</sub>	0.08	0.02

Emission Sources - Maximum Allowable Emission Rates

F-Area 8	Fugitives (5)	VOC	0.08	0.33
		NH <sub>3</sub>	0.12	0.52
		HCl	0.01	0.03
F-Area 9	Fugitives (Areas 4-9,12) (5)	NH <sub>3</sub>	0.26	1.14
		HCl	0.01	0.04
		SO <sub>2</sub>	0.07	0.33
16-01-T	Storage Tank Vent 16-01	VOC	0.07	<0.01
16-10-T to 16-16-T	Reactors (Area 8)	VOC	0.85	0.02
22-16-T	Diesel Tank	VOC	0.06	<0.01
Sandblast	Maintenance Painting/ Abrasive Blasting	PM	0.12	0.02
		PM <sub>10</sub>	0.03	<0.01
		PM <sub>2.5</sub>	0.03	<0.01
		VOC	14.00	0.56
22-15-L	Diesel Loading	VOC	0.01	<0.01
OWS-1	Oil Skimmer 21-09-5	VOC	0.17	0.01
13-36	Cooling Tower	PM	0.02	0.10
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
22-1-T	Ammonia Storage Fugitives (5)	NH <sub>3</sub>	0.05	0.23
16-08-T	Organic Reclamation Tank	VOC	0.12	0.02
16-22-T	Primary Hydraulic Unit Tank	VOC	0.01	<0.01

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16-21-T	Secondary Hydraulic Unit Tank	VOC	0.03	<0.01
16-07-T	Storage Tank 16-07-T	VOC	0.07	<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
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - NH<sub>3</sub> - ammonia
  - HCl - hydrogen chloride
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - H<sub>2</sub>O<sub>2</sub> - 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.

Date: July 23, 2021