

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 149547

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)
3-4-1011	Chemical 1 Feed Tank	VOC	0.05	<0.01
3-4-1351	Chemical 2 Feed Tank	VOC	0.03	<0.01
3-4-2154	Chemical 3 70% Feed Tank	VOC	<0.01	<0.01
3-4-2301	Chemical 4 Feed Tank	VOC	<0.01	<0.01
3-4-2371	Hydrogen Peroxide Tote	H <sub>2</sub> O <sub>2</sub>	<0.01	<0.01
3-4-2381A	Chemical 5A Feed Tank	NH <sub>3</sub>	1.01	0.07
3-4-2381B	Chemical 5B Feed Tank	NH <sub>3</sub>	1.01	0.07
3-4-7111	Product Tank 1	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01
3-4-7121	Product Tank 2	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01
3-4-7131	Product Tank 3	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01
3-4-7141	Product Tank 4	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01
3-4-7151	Product Tank 5	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01
3-4-7161	Product Tank 6	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01

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3-4-7171	Product Tank 7	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01
3-4-7181	Product Tank 8	VOC	0.85	0.03
		Acetone	1.21	0.04
		NH <sub>3</sub>	0.28	0.01
3-4-7201	Product Rework Tank	VOC	0.85	0.02
		Acetone	1.21	0.03
		NH <sub>3</sub>	0.28	0.01
3-4-6111	Conditioning Tank 1	VOC	1.31	0.06
		Acetone	1.78	0.10
		NH <sub>3</sub>	0.55	0.04
3-4-6121	Conditioning Tank 2	VOC	1.31	0.07
		Acetone	1.78	0.11
		NH <sub>3</sub>	0.55	0.04
3-4-6115ABC	Product Filter F-6115ABC	VOC	1.11	0.05
		Acetone	1.53	0.07
		NH <sub>3</sub>	0.56	0.03
3-4-6116	Filter Outlet Bin	VOC	1.11	0.05
		Acetone	1.53	0.07
		NH <sub>3</sub>	0.56	0.03
3-4-2121	Chemical 6 Tank	PM	0.23	0.38
		PM <sub>10</sub>	0.23	0.38
		PM <sub>2.5</sub>	0.04	0.06
3-4-2131	Chemical 10 Feed Tank	PM	0.23	0.08
		PM <sub>10</sub>	0.23	0.08
		PM <sub>2.5</sub>	0.04	0.01
3-4-2151	Chemical 3 10% Feed Tank	VOC	<0.01	<0.01
3-4-2171	Misc Chemical Feed Tank	VOC	<0.01	<0.01

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		PM	0.23	0.12
		PM <sub>10</sub>	0.23	0.12
		PM <sub>2.5</sub>	0.04	0.02
3-4-2901	Chemical 7 Feed Tank	PM	0.06	0.04
		PM <sub>10</sub>	0.06	0.04
		PM <sub>2.5</sub>	0.01	0.01
3-4-8031	Waste Water 1 Feed Tank	VOC	<0.01	<0.01
3-4-8033	Waste Water 2 Feed Tank	PM	0.15	0.02
		PM <sub>10</sub>	0.15	0.02
		PM <sub>2.5</sub>	0.02	<0.01
3-4-8036	Waste Water 3 Feed Tank	VOC	<0.01	<0.01
3-4-8011A	Precipitation Tank 1	VOC	0.01	<0.01
		Acetone	0.11	0.01
		NH <sub>3</sub>	0.08	0.01
3-4-8011B	Precipitation Tank 2	VOC	0.01	<0.01
		Acetone	0.11	0.01
		NH <sub>3</sub>	0.08	0.01
3-4-2721	Chemical 8 Feed Tank	VOC	0.03	<0.01
3-4-8005	Production Wastewater Pit	VOC	0.02	0.01
		Acetone	0.12	0.09
		NH <sub>3</sub>	0.09	0.08
3-4-FUG	Fugitive Emissions (5)	VOC	0.52	2.30
		Acetone	0.02	0.08
		NH <sub>3</sub>	0.24	1.05
3-4-LOAD	Product Loading	VOC	1.81	0.35
		Acetone	2.58	0.55
		NH <sub>3</sub>	0.59	0.12
3-4-9301	Hot Box Chemical Storage	VOC	<0.01	<0.01

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3-4-3001	Manual Addition Feed Station	VOC	0.20	0.16
3-4-CVADD	Chemical 9 Feed Tank	VOC	<0.01	<0.01
3-4-8961	Knock Out Pot Clearing	VOC	0.08	0.02
		Acetone	0.15	0.03
		NH <sub>3</sub>	0.03	0.01
3-4-CT	Cooling Tower	VOC	0.02	0.11
		PM	0.08	0.33
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	<0.01	<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 - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- 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
- NH<sub>3</sub> - ammonia
- 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: April 8, 2019