

Emission Sources - Maximum Allowable Emission Rates

Permit Number 55239 and N126

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)
15-3-1	T-6600 Scrubber Outlet (6)	Acrylic Acid	1.68	7.25
		VOC	2.87	12.46
15-3-2	Central Dust Collection Outlet	PM	0.33	0.73
		PM ₁₀	0.33	0.73
		PM _{2.5}	0.33	0.73
15-3-3	Outlet Pneumatics Line - Train 1	PM	1.16	2.23
		PM ₁₀	1.16	2.23
		PM _{2.5}	1.16	2.23
15-3-4	Outlet Pneumatics Line - Train 2	PM	1.15	2.20
		PM ₁₀	1.15	2.20
		PM _{2.5}	1.15	2.20
15-3-5	Outlet Pneumatics Line - Train 3	PM	1.15	2.20
		PM ₁₀	1.15	2.20
		PM _{2.5}	1.15	2.20
15-3-7	Propanediol Storage Tank	VOC	0.11	< 0.01
15-3-8	Isopropanol Storage Tank	VOC	21.13	0.14
15-3-9	Laromer® PO 9044 Storage Tank (7)	Acrylic Acid	0.18	< 0.01
		VOC	0.28	< 0.01
15-3-10	SiperNat Bagging	PM	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.32	1.40
15-3-11	Waste Water Tank No. 1	VOC	0.07	< 0.01
15-3-12	Chilled Water/EG Tank	VOC	0.01	< 0.01

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15-3-13	Neutralization Tank No. 1 (7)	Acrylic Acid	0.30	< 0.01
		VOC	0.30	< 0.01
15-3-16	Aluminum Lactate Storage Tank	VOC	< 0.01	< 0.01
15-3-17	Polyethylene Polymer Solution Tank	VOC	< 0.01	< 0.01
15-3-18	FF7 Storage Tank Loading	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
15-3-D6049	FF7 Storage Tank	VOC	< 0.01	< 0.01
15-3-D6050	FF7 Storage Tank	VOC	< 0.01	< 0.01
15-3-FUGS	Fugitives (5)(6)	Acrylic Acid	0.03	0.13
		VOC	0.05	0.20
15-3-RecFug	Isopropanol Recovery System Fugitives (5)	Isopropanol	0.03	0.13
TAR SAPMSS	Plant Turnaround MSS Emissions	VOC	34.85	0.56
		NH ₃	0.06	0.01
		PM	0.04	0.19
		PM ₁₀	0.04	0.19
		PM _{2.5}	0.04	0.19
RTN SAPMSS	Routine MSS Emissions	VOC	20.99	0.86
		NH ₃	0.05	0.01
		PM	0.05	0.20
		PM ₁₀	0.05	0.20
		PM _{2.5}	0.05	0.20

- (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
 NH₃ - ammonia
 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
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
- (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.

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- (6) Acrylic acid emissions are included in the VOC emission rates for this EPN.
- (7) Scheduled to be controlled by the T-6600 scrubber (EPN 15-3-1) within 18 months of April 22, 2019.

Date: May 2, 2019