

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9576

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)
400	Flare	VOC (6)	23.90	30.65
		Methyl Acetate	0.74	0.95
		NO _x	2.98	4.20
		SO ₂	<0.01	0.01
		CO	14.27	21.05
Area1	Fugitive VOC (5)	VOC (6)	4.64	20.31
Area2	Fugitive VOC (5)	VOC (6)	1.30	5.70
Area3	Fugitive VOC (5)	VOC (6)	3.24	14.18
Area4	Fugitive VOC (5)	VOC (6)	1.54	6.75
Area5	Loading Fugitive VOC	VOC (6)	0.26	1.15
Plant	Fugitive VOC Plant	VOC	0.05	0.23
Maintenance	Maintenance	VOC	1.00	0.60
3A	Coagulation Vent 1A	VOC	0.86	3.78
3B	Coagulation Vent 1B	VOC	0.86	3.78
5	Acetic Acid Scrubber 1	VOC	0.10	0.01
6A	Chip Wash Vent 1A	VOC	0.01	0.01
6B	Chip Wash Vent 1B	VOC	0.01	0.01
7	CT-8110 Cooling Tower 1	HRVOC	0.01	0.01
		PM	0.41	1.80
		PM ₁₀	0.41	1.80
		PM _{2.5}	0.41	1.80
8	Wastewater Pool 1	VOC	0.64	2.80
22A-H	8 Packing Silos	PM ₁₀	0.10	0.02
24	2 Packing Silos	PM ₁₀	0.01	0.01

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25A	Pneumatic Conveyor	PM ₁₀	0.01	0.01
25B1	Pneumatic Conveyor	PM ₁₀	0.01	0.01
25B2	Pneumatic Conveyor	PM ₁₀	0.01	0.01
25C	Pneumatic Conveyor K1207	PM ₁₀	0.01	0.01
25D1	Pneumatic Conveyor K1258	PM ₁₀	0.01	0.01
25D2	Pneumatic Conveyor K1258	PM ₁₀	0.01	0.01
53A	Coagulation Vent II-A	VOC	0.90	3.90
53B	Coagulation Vent II-B	VOC	0.90	3.90
72A-H	Chip Silos	PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
402	F-4402 Filter	PM	0.21	0.94
		PM ₁₀	0.21	0.94
		PM _{2.5}	0.21	0.94
403	F-1483 Acetic Acid Scrubber	VOC	0.23	1.00
405	F-6458 Filter	PM	0.16	0.69
		PM ₁₀	0.16	0.69
		PM _{2.5}	0.16	0.69
407	Fugitives(5)	VOC	1.46	6.41
408-A	F-6451 Filter	PM	0.16	0.69
		PM ₁₀	0.16	0.69
		PM _{2.5}	0.16	0.69
408-C	F-6402-2 Filter	PM	0.32	1.38
		PM ₁₀	0.32	1.38
		PM _{2.5}	0.32	1.38
408-D	F-6303 Filter	PM	0.16	0.69
		PM ₁₀	0.16	0.69
		PM _{2.5}	0.16	0.69
409	Cooling Tower	VOC	0.05	0.24

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		PM	0.41	1.80
		PM ₁₀	0.41	1.80
		PM _{2.5}	0.41	1.80
410Tank	Coagulation Vent 11-B	VOC	0.05	0.22
410Scrubber	Wastewater Tank Scrubber	VOC	0.01	0.05
515	F3502 Acetic Acid Scrubber	VOC	0.32	0.89
521	F4502 Scrubber	PM	0.24	1.07
		PM ₁₀	0.24	1.07
		PM _{2.5}	0.24	1.07
522	F1583 Acetic Acid Scrubber	VOC (including acetic acid)	0.25	0.91
524	CT-8510 Cooling Tower	VOC	0.19	0.86
		PM	0.21	0.90
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.05	0.23
525	Fugitives – Main Process Area (5)	VOC (6)	0.74	3.25
		Methyl Acetate	0.02	0.11
526	Fugitives – Intermediate Storage Area (5)	VOC (6)	0.12	0.53
		Methyl Acetate	0.01	0.05
527	Fugitives – Acetic Acid Process Area (5)	VOC (6)	0.08	0.36
		Methyl Acetate	0.03	0.14
529	F6502 Scrubber	PM	0.03	0.15
		PM ₁₀	0.03	0.15
		PM _{2.5}	0.03	0.15
CAP1100	1100 Line Emission Cap	VOC	3.54	15.51
		PM ₁₀	0.01	0.01
CAP1200	1200 Line Emission Cap	VOC	3.54	15.51
		PM ₁₀	0.01	0.01
CAP1300	1300 Line Emission Cap	VOC	7.40	32.07
		PM ₁₀	0.01	0.01

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FUGMAINT	Fugitive Maintenance	VOC	8.81	1.02
LOADINGLOSS	Tank Truck Loading	VOC	0.38	0.01
		Methyl Acetate	0.36	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
- HRVOC
 - highly reactive volatile organic compounds as defined in 30 TAC § 115.10
- NO_x
 - total oxides of nitrogen
- SO₂
 - sulfur dioxide
- 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
- CO
 - carbon monoxide
- (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) VOC includes Hazardous Air Pollutants such as methanol and vinyl acetate.

Date: September 14, 2018