

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 173197, PSDTX1622, and HAP83

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)
CT	Cooling Tower	PM	4.29	18.77
		PM ₁₀	0.57	2.50
		PM _{2.5}	<0.01	0.02
ABS	Aux Boiler 1	PM	3.25	14.23
		PM ₁₀	3.25	14.23
		PM _{2.5}	3.25	14.23
		NOx	5.02	21.97
		CO	16.97	74.32
		SO ₂	0.27	1.18
		VOC	7.48	32.76
ABS	Aux Boiler 2	PM	3.25	14.23
		PM ₁₀	3.25	14.23
		PM _{2.5}	3.25	14.23
		NOx	5.02	21.97
		CO	16.97	74.32
		SO ₂	0.27	1.18
		VOC	7.48	32.76
ABS	Aux Boiler 3	PM	3.25	14.23
		PM ₁₀	3.25	14.23
		PM _{2.5}	3.25	14.23
		NOx	5.02	21.97
		CO	16.97	74.32
		SO ₂	0.27	1.18
		VOC	7.48	32.76

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AUXB-MSS	Auxiliary Boilers 1-3 (Start-up)	PM	9.64	1.72
		PM ₁₀	9.64	1.72
		PM _{2.5}	9.64	1.72
		NO _x	16.52	3.76
		CO	50.95	10.95
		SO ₂	0.81	0.12
		VOC	22.44	3.60
ABS	CCP Absorber	VOC	59.51	260.66
		HAPs	24.31	106.49
TK-1	Solution Sump Tank	VOC	0.09	<0.01
ABS	Solution Storage Tank (TK-2)	VOC	0.57	2.37
TK-3	Fresh Solution Storage Tank #1	VOC	0.09	<0.01
TK-4	Fresh Solution Storage Tank #2	VOC	0.09	<0.01
TK-5	Reclaimed Waste Tank	VOC	0.17	0.01
TK-6	TEG Storage Tank	VOC	<0.01	<0.01
TK-7	1st Wash Water Storage Tank	VOC	<0.01	<0.01
TK-8	2nd Wash Water Storage Tank	VOC	<0.01	<0.01
TK-9	Caustic Soda Tank	VOC	<0.01	<0.01
DEHY	Dehydration Vent	VOC	0.36	1.59
		HAPs	0.24	1.06
KSFUG	KS Fugitives (5)	VOC	0.28	1.21
CPKFUG	CPK Fugitives (5)	VOC	0.02	0.09

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - 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

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| PM ₁₀ | - 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 |
| HAP | - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C |

(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: February 2, 2024