

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers Permit Numbers 7223A, PSDTX193M3, and PSDTX959

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)
5-5-50	IN-5100 Incinerator/ Auxiliary Boiler with Selective Catalytic Reduction (SCR) Unit	CO	46.34	101.48
		NH ₃	1.67	6.12
		NO _x (6)	22.59	147.72
		NO _x (7)	90.35	
		PM	11.23	49.18
		PM ₁₀	11.23	49.18
		PM _{2.5}	11.23	49.18
		SO ₂	5.85	25.64
		VOC	1.89	8.26
5-5-30	Piping Fugitives (5)	NH ₃	0.04	0.18
		VOC	0.36	1.58
5-8-04	Neol Scrubber	VOC	1.79	0.62
5-8-10	Neol Loading	VOC	0.14	0.05
5-8-30	Neol Fugitives (5)	VOC	0.54	2.39
5-8-40	D-8570	VOC	0.73	0.14
5-8-41	Loading Fugitives (5)	VOC	0.55	0.23
5-9-10	HDO Loading	VOC	1.90	0.20
5-9-15	Cooling Tower (5)	PM	1.35	4.73
		PM ₁₀	0.93	3.25
		PM _{2.5}	0.36	1.26
		VOC	0.10	0.44

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5-9-21	D902 / D903	VOC	0.48	0.78
5-9-23	D-1010	NaOH	<0.01	<0.01
5-9-30	HDO Fugitives (5)	VOC	1.36	5.96
5-9-40	D-2250	VOC	0.01	0.02
5-9-41	D-2260	VOC	0.05	0.06
5-9-42	D-2350	VOC	0.01	0.01
5-9-43	D-2360	VOC	0.01	0.01
5-9-44	D-2650	VOC	0.23	0.01
5-9-45	D-2660	VOC	0.19	0.05
HDO-NEOLM (8)	Planned MSS	NH ₃	0.44	<0.01
		VOC	8.86	0.79
HDO-NEOLS (8)	Planned Shutdown	PM	0.14	0.01
		PM ₁₀	0.14	0.01
		PM _{2.5}	0.14	0.01
		VOC	8.59	0.15

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- (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)

CO	-	carbon monoxide
NaOH	-	sodium hydroxide
NH ₃	-	ammonia
NO _x	-	total oxides of nitrogen
PM	-	total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
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
SO ₂	-	sulfur dioxide
VOC	-	volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) Operational mode with SCR unit.
- (7) Operational mode without SCR unit.
- (8) Planned maintenance, startup, and shutdown (MSS) activities and emissions are authorized from this Emission Point Number (EPN).

Date: July 31, 2020