

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9803

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)
052	Multiple Hearth Furnaces CDS Stack	VOC	1.09	1.57
		NO _x	9.00	23.18
		SO ₂	22.40	95.40
		CO	2.92	4.60
		PM (6)	4.75	20.81
		PM ₁₀ (6)	4.75	20.81
		PM _{2.5} (6)	4.75	20.81
		As ₂ O ₃	0.14	0.27
		CoO	0.15	0.32
		NiO	0.08	0.34
		MoO ₃	0.60	2.62
		V ₂ O ₅	0.30	1.32
		PbO	0.02	0.02
		Al ₂ O ₃	0.82	3.33
		Na ₂ SO ₄	1.67	7.32
		NaHSO ₄	2.83	12.38
DC-B-1	North Ash (FGD) Disposal Silo Baghouse	PM	0.10	0.43
		PM ₁₀	0.10	0.43
		PM _{2.5}	0.10	0.43

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DC-B-2	South Ash (FGD) Disposal Silo Baghouse	PM	0.10	0.43
		PM ₁₀	0.10	0.43
		PM _{2.5}	0.10	0.43
DC-B-3	Hydrated Lime Silo Baghouse	PM	0.05	0.21
		PM ₁₀	0.05	0.21
		PM _{2.5}	0.05	0.21
003	Feed Pad Area Baghouse	PM (6)	0.34	1.47
		PM ₁₀ (6)	0.34	1.47
		PM _{2.5} (6)	0.34	1.47
		As ₂ O ₃ (7)	0.001	0.005
		CoO (7)	0.02	0.09
		NiO (7)	0.05	0.20
		MoO ₃ (7)	0.08	0.36
		V ₂ O ₅ (7)	0.09	0.42
		PbO (7)	0.0005	0.002
		Al ₂ O ₃ (7)	0.31	1.37
21-20	Cooling Tower	VOC	0.17	< 0.01
		PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
CONT-SAMP	Container Sampling	VOC	0.01	0.01
CB2 FUG	Containment Building 2 & Material Transfer	VOC	0.96	3.67
		PM	0.05	0.19
		PM ₁₀	0.02	0.10
		PM _{2.5}	< 0.01	0.02

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RCUNLD	Railcar Unloading and Tote Transloading	PM	0.08	< 0.01
		PM ₁₀	0.04	< 0.01
		PM _{2.5}	0.01	< 0.01
F-Area 3	Stock Pile/Material Transfer/Roads	PM	1.35	3.24
		PM ₁₀	0.43	1.09
		PM _{2.5}	0.06	0.15
21-26-T	Stormwater Collection Tank	VOC	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
- 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
- NiO - nickel oxide
- MoO₃ - molybdenum trioxide
- V₂O₅ - vanadium pentoxide
- PbO - lead oxide compounds
- Al₂O₃ - aluminum oxide
- As₂O₃ - arsenic trioxide
- CoO - cobalt oxide
- Na₂SO₄ - sodium sulfate
- NaHSO₄ - sodium bisulfate
- (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) Total PM, PM₁₀, and PM_{2.5} are inclusive of the speciated particulate NiO, MoO₃, V₂O₅, PbO, Al₂O₃, As₂O₃, CoO, Na₂SO₄, and NaHSO₄.
- (7) Emission limit includes all metal species.

Date: May 5, 2017