

Emission Sources - Maximum Allowable Emission Rates

Permit Number 23344

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 (7)	
			lbs/hour	TPY (4)
4-06	Furnace No. 1 ESP Unit	PM ₁₀ (5)	0.29	1.28
		PM (6)	0.15	0.66
		NO _x	14.31	41.80
		SO ₂	0.06	0.26
		CO	0.81	3.55
		VOC	0.07	0.31
4-06A	Furnace No. 1 Dust Pickup Baghouse	PM ₁₀	0.10	0.50
4-2324	Furnace No. 2 ESP Unit	PM ₁₀ (5)	1.43	6.27
		PM (6)	0.15	0.66
		NO _x	9.10	39.90
		SO ₂	0.06	0.26
		CO	0.81	3.55
		VOC	0.07	0.31
4-07	Wet Fritting Baghouse (2 Cyclones and Agglomerator)	PM ₁₀ (5)	0.42	1.84
		PM (6)	0.19	0.84
		NO _x	1.29	5.67
		SO ₂	0.04	0.18
		CO	0.48	2.10
		VOC	0.04	0.18
4-08	CCE Mill Baghouses	PM ₁₀ (5)	0.08	0.35

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4-17A	Former No. 13 2.4 MMBtu/hr Exhausted Through a Baghouse	PM ₁₀ (5)	0.40	1.75
		PM (6)	0.10	0.44
		NO _x	10.98	39.17
		SO ₂	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-17C	Former No. 14 2.4 MMBtu/hr Exhausted Through a Baghouse	PM ₁₀ (5)	0.40	1.75
		PM (6)	0.10	0.44
		NO _x	8.70	28.19
		SO ₂	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-17B	Former No. 16 ESP	PM ₁₀ (5)	0.40	1.75
		PM (6)	0.10	0.44
		NO _x	0.13	0.39
		SO ₂	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-18	Former No. 17 ESP	PM ₁₀ (5)	0.45	1.97
		PM (6)	0.10	0.44
		NO _x	0.13	0.39
		SO ₂	<0.01	0.04
		CO	1.10	4.82
		VOC	0.02	0.09
4-19 Project Number: 341582	Former No. 18 Baghouse	PM ₁₀ (5)	0.40	1.75
		PM (6)	0.10	0.44
		NO _x	8.86	28.96
		SO ₂	<0.01	0.04

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		VOC	0.02	0.09
4-19P	Former No. 18 Heat Treater	PM (5)	0.02	0.09
		NO _x	0.24	1.05
		SO ₂	<0.01	0.04
		CO	0.05	0.22
		VOC	<0.01	0.04
4-20A	Bead Wash Dryer Baghouse (8)	PM ₁₀ (5)	0.01	0.44
		Isopropanol	0.70	3.03
		Acetone	0.13	0.55
		Chloroacetone	0.37	1.63
4-20B	Bead Wash Dryer(8)	PM (5)	0.14	0.60
		NO _x	0.92	4.03
		SO ₂	0.03	0.12
		CO	0.34	1.48
		VOC	0.03	0.12
4-44	Former No. 11 Baghouse	PM ₁₀ (5)	0.45	2.00
		PM (6)	0.10	0.44
		NO _x	11.71	42.69
		SO ₂	0.02	0.09
		CO	0.05	1.10
		VOC	<0.01	0.09
4-44P	Former No. 11 Heat Treater	PM (6)	0.02	0.09
		NO _x	0.24	1.05
		SO ₂	<0.01	0.04
		CO	0.05	0.22
		VOC	<0.01	0.04
4-54	Former No. 19 Baghouse	PM ₁₀ (5)	0.40	1.75
		PM (6)	0.10	0.44

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		SO ₂	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-34P	Former No. 19 Heat Treater	PM (6)	0.02	0.09
		NO _x	0.24	1.05
		SO ₂	<0.01	0.04
		CO	0.05	0.22
		VOC	<0.01	0.04
4-35	Former No. 20 Baghouse	PM ₁₀ (5)	0.40	1.75
		PM (6)	0.10	0.44
		NO _x	1.45	4.77
		SO ₂	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-35P	Former No. 20 Heat Treater	PM (6)	0.02	0.09
		NO _x	0.24	1.05
		SO ₂	<0.01	0.04
		CO	0.05	0.22
		VOC	<0.01	0.04
4-43	Former No. 21 Baghouse	PM ₁₀ (5)	0.45	1.97
		PM (6)	0.10	0.44
		NO _x	0.82	1.73
		SO ₂	<0.01	0.04
		CO	0.25	1.10
		VOC	0.02	0.09
4-43P Project Number: 341582	Former No. 21 Heat Treater	PM (6)	0.02	0.09
		NO _x	0.24	1.05
		SO ₂	<0.01	0.04

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		VOC	<0.01	0.04
4-0944	Former Nos. 15 and 22 ESP	PM ₁₀ (5)	1.34	5.87
		PM (6)	0.30	1.31
		NO _x	0.17	0.58
		SO ₂	0.30	0.13
		CO	1.10	4.82
		VOC	0.06	0.26
15-1	TCP Drier Baghouse	PM (5)	1.40	6.13
		PM ₁₀ (5)	1.40	6.13
15-2	Dust Pickup Baghouse	PM (5)	0.16	0.70
		PM ₁₀ (5)	0.16	0.70
15-3	Filter Receiver Baghouse	PM (5)	0.10	0.40
		PM ₁₀ (5)	0.10	0.40
15-4	Bag Collector (8)	PM ₁₀ (5)	0.33	1.45
15-5	Hopper Baghouse	PM ₁₀ (5)	0.20	0.90
15-6	Hopper Baghouse	PM ₁₀ (5)	0.20	0.90
15-7	Furnace No. 2 Dust Pickup	PM ₁₀ (5)	0.10	0.44
4SCEOVEN1, 4SCEOVEN2 and 4SCEOVEN3	Electrically Heated Sand Core Element Belt Furnace	VOC	4.74	20.85
		Exempt Solvent	4.74	20.85
4SCEGExh1	Mixer/Feeder Baghouse	VOC	0.02	0.09
		Exempt Solvent	0.02	0.09
		PM	<0.001	<0.001
		PM ₁₀	<0.001	<0.001
4SCEGExh1A	Blending Baghouse	PM	0.02	0.09
		PM ₁₀	0.02	0.09
4SCEGExh2 Project Number: 341582	Surface Treatment Baghouse	VOC	0.02	0.09
		Exempt Solvent	0.02	0.09
		PM	<0.001	<0.001

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4SCEFUG	Sand Core Element Fugitives	VOC	0.31	1.36
		Exempt Solvent	0.31	1.36
		PM	<0.001	<0.001
		PM ₁₀	<0.001	<0.001
ALL EPNs	All Sources at the Site	VOC	---	<240
ALL EPNs	All Sources at the Site	NO _x	---	<240

- (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
 - 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) PM/PM₁₀ emissions from the process.
- (6) PM/PM₁₀ emissions from combustion.
- (7) Planned startup and shutdown activities are included in the allowable emission rates for all sources covered by this permit. Emissions from planned maintenance activities are authorized using Permits by Rule or de Minimis as noted in Attachment I to the permit.
- (8) Particulate matter emissions from a mixing operation covered by a Standard Exemption are also routed through these emission points.

Date: September 19, 2022