

Emission Sources - Maximum Allowable Emission Rates

Special Permit Number 18136

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 (4)	
			lbs/hour	TPY
E009	Refire Tunnel Kilns Nos. 1 and 2 (one stack)	PM	0.11	0.49
		PM ₁₀	0.03	0.12
		SO ₂	0.22	0.96
		NO _x	1.46	6.38
		CO	1.22	5.36
		VOC	0.08	0.35
		HF	0.01	0.03
E016A, E016B, E016C and E016D	Refire Shuttle Kiln No. 3 (four stacks with equal emissions-total emissions shown)	PM	0.09	0.24
		PM ₁₀	0.02	0.06
		SO ₂	0.17	0.47
		NO _x	1.14	3.13
		CO	0.96	2.63
		VOC	0.06	0.17
		HF	0.03	0.02
E017A, E017B, E017C and E017D	Refire Shuttle Kiln No. 4 (four stacks with equal emissions-total emissions shown)	PM	0.09	0.24
		PM ₁₀	0.02	0.06
		SO ₂	0.17	0.47
		NO _x	1.14	3.13
		CO	0.96	2.63
		VOC	0.06	0.17
		HF	0.03	0.02
E098A and E098B	Refire Shuttle Kiln No. 5 (two stacks with equal emissions-total emissions shown)	PM	0.11	0.30
		PM ₁₀	0.03	0.07
		SO ₂	0.21	0.59

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		NO _x	1.43	3.91
		CO	1.20	3.29
		VOC	0.08	0.22
		HF	0.04	0.02
E247A	First Fire Tunnel Kilns Nos. 6 and 12 (one stack)	PM	0.20	0.86
		PM ₁₀	0.05	0.21
		SO ₂	0.39	1.69
		NO _x	2.57	11.26
		CO	2.16	9.46
		VOC	0.14	0.62
		HF	1.30	5.69
E100A, E100B, E100C and E100D	Refire Shuttle Kiln No. 7 (four stacks with equal emissions-total emissions shown)	PM	0.11	0.30
		PM ₁₀	0.03	0.07
		SO ₂	0.21	0.59
		NO _x	1.43	3.91
		CO	1.20	3.29
		VOC	0.08	0.22
		HF	0.05	0.03
E101A, E101B, E101C and E101D	Refire Shuttle Kiln No. 8 (four stacks with equal emissions-total emissions shown)	PM	0.11	0.30
		PM ₁₀	0.03	0.07
		SO ₂	0.21	0.59
		NO _x	1.43	3.91
		CO	1.20	3.29
		VOC	0.08	0.22
		HF	0.05	0.03
E159	Refire Shuttle Kiln No. 9	PM	0.11	0.30
		PM ₁₀	0.03	0.07
		SO ₂	0.21	0.59
		NO _x	1.43	3.91
		CO	1.20	3.29

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E202	Refire Shuttle Kiln No. 11	VOC	0.08	0.22
		HF	0.05	0.03
		PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		SO ₂	< 0.01	0.01
		NO _x	0.02	0.05
		CO	0.02	0.04
		VOC	< 0.01	< 0.01
		HF	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) CO - carbon monoxide
HF - hydrogen fluoride
NO_x - total oxides of nitrogen
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
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: March 11, 2013