

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number S-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. 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)	<u>Emission Rates</u>	
			lb/hr	TPY
E009	Refire Tunnel Kilns Nos. 1 and 2 (one stack)	PM	0.11	0.49
		PM <sub>10</sub>	0.03	0.12
		SO <sub>2</sub>	0.22	0.96
		NO <sub>x</sub>	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 <sub>10</sub>	0.02	0.06
		SO <sub>2</sub>	0.17	0.47
		NO <sub>x</sub>	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 <sub>10</sub>	0.02	0.06
		SO <sub>2</sub>	0.17	0.47
		NO <sub>x</sub>	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 <sub>10</sub>	0.03	0.07
		SO <sub>2</sub>	0.21	0.59
		NO <sub>x</sub>	1.43	3.91
		CO	1.20	3.29
		VOC	0.08	0.22
		HF	0.04	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
E247A	First Fire Tunnel Kilns Nos.6 and 12 (one stack)	PM	0.20	0.86
		PM <sub>10</sub>	0.05	0.21
		SO <sub>2</sub>	1.69	
		NO <sub>x</sub>	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 <sub>10</sub>	0.03	0.07
		SO <sub>2</sub>	0.21	0.59
		NO <sub>x</sub>	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 <sub>10</sub>	0.03	0.07
		SO <sub>2</sub>	0.21	0.59
		NO <sub>x</sub>	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 <sub>10</sub>	0.03	0.07
		SO <sub>2</sub>	0.59	
		NO <sub>x</sub>	1.43	3.91
		CO	1.20	3.29
		VOC	0.08	0.22
		HF	0.05	0.03
E202	Refire Shuttle Kiln No. 11	PM	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY</u>
		PM <sub>10</sub>	<0.01	
		SO <sub>2</sub>	<0.01	
		NO <sub>x</sub>	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 a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.

SO<sub>2</sub> - sulfur dioxide

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

HF - hydrogen fluoride

Date August 28, 2006