

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 25232

This table lists the maximum allowable emission rates and all sources of air contaminants 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(4)
E1	Batching and Grinding Stack	PM	0.70	3.05
E2	Spray Drier Stack	PM	0.63	2.36
		PM (5)	0.09	0.34
		NO <sub>x</sub> (5)	0.60	2.24
		CO (5)	1.00	3.76
		VOC (5)	0.07	0.25
		SO <sub>2</sub> (5)	<0.01	0.03
		HF	<0.01	0.03
E4	Automatic Press Baghouse Stack	PM	0.79	3.45
E5	Normal Pieces Roller Dryer No. 1 Stack	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
E5A	Normal Pieces Roller Dryer No. 1 Stack II	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
E6	Normal Pieces Roller Dryer No. 2 Stack	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> lb/hrTPY(4)	
E6A	Normal Pieces Roller Dryer No. 2 Stack II	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
E7	Trim Pieces Dryer No. 1 Stack	PM	<0.01	0.03
		NO <sub>x</sub>	0.04	0.18
		CO	0.07	0.30
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
E8	Trim Pieces Dryer No. 2 Stack	PM	<0.01	0.03
		NO <sub>x</sub>	0.04	0.18
		CO	0.07	0.30
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
E10	Fast Firing Stack Kiln No. 1 Stack	PM	0.07	0.30
		NO <sub>x</sub>	0.45	1.98
		CO	0.76	3.32
		VOC	0.05	0.22
		SO <sub>2</sub>	<0.01	0.03
		HF	0.39	1.71
E12	Kiln No. 2 Preheater Stack	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
E13	Fast Firing Kiln No. 2 Stack	PM	0.03	0.14
		NO <sub>x</sub>	0.21	0.92
		CO	0.36	1.55
		VOC	0.03	0.10
		SO <sub>2</sub>	<0.01	0.01
		HF	0.09	0.36

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> lb/hrTPY(4)	
E15	Glaze Batching and Grinding Stack	PM	0.11	0.46
E16	Powder Staging and Press Area Baghouse Collector	PM	0.03	0.13
E17	20 KVA Emergency Generator No. 1	PM	0.06	<0.01
		NO <sub>x</sub>	0.83	0.12
		CO	0.18	0.02
		VOC	0.07	<0.01
		SO <sub>2</sub>	0.06	<0.01
E18	12 KVA Emergency Generator No. 2	PM	0.04	<0.01
		NO <sub>x</sub>	0.50	0.07
		CO	0.11	0.02
		VOC	0.04	<0.01
		SO <sub>2</sub>	0.04	<0.01
E21	Pressing Area Baghouse Collector	PM	0.79	3.45
E22	Normal Pieces Roller Dryer No. 3 Stack	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
E22A	Normal Pieces Roller Dryer No. 3 Stack II	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
E23	Normal Pieces Roller Dryer No. 4 Stack	PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> lb/hrTPY(4)	
E23A	Normal Pieces Roller Dryer No. 4 Stack II	SO <sub>2</sub>	<0.01	<0.01
		PM	<0.01	0.04
		NO <sub>x</sub>	0.06	0.26
		CO	0.10	0.44
		VOC	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
E24	Trim Pieces Drier Dryer No. 3 Stack	PM	<0.01	0.03
		NO <sub>x</sub>	0.04	0.18
		CO	0.07	0.30
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
E25	Trim Pieces Dryer No. 4 Stack	PM	<0.01	0.03
		NO <sub>x</sub>	0.04	0.18
		CO	0.07	0.30
		VOC	<0.01	0.02
		SO <sub>2</sub>	<0.01	<0.01
E26	Preheater No. 2 Stack I	PM	<0.01	<0.01
		NO <sub>x</sub>	<0.01	0.04
		CO	0.02	0.06
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
E27	Preheater No. 2 Stack II	PM	<0.01	<0.01
		NO <sub>x</sub>	<0.01	0.04
		CO	0.02	0.06
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
E28	Preheater No. 2 Stack III	PM	<0.01	<0.01
		NO <sub>x</sub>	<0.01	0.04
		CO	0.02	0.06
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hrTPY(4)	
E29	Fast Firing Kiln No. 3 Stack (Trim Pieces)	PM	0.04	0.14
		NO <sub>x</sub>	0.21	0.92
		CO	0.36	1.55
		VOC	0.03	0.10
		SO <sub>2</sub>	<0.01	<0.01
		HF	0.09	0.36
E31	Fast Firing Kiln No. 4 Stack (Normal Pieces)	PM	0.07	0.30
		NO <sub>x</sub>	0.45	1.98
		CO	0.76	3.32
		VOC	0.05	0.22
		SO <sub>2</sub>	<0.01	0.03
		HF	0.09	0.36
E33	12 KVA Emergency Generator No. 3	PM	0.04	<0.01
		NO <sub>x</sub>	0.50	0.07
		CO	0.11	0.02
		VOC	0.04	<0.01
		SO <sub>2</sub>	0.04	<0.01
E34	20 KVA Emergency Generator No. 4	PM	0.06	<0.01
		NO <sub>x</sub>	0.83	0.12
		CO	0.18	0.03
		VOC	0.07	<0.01
		SO <sub>2</sub>	0.06	<0.01
E38	Fast Firing Kiln No. 5 Stack (Normal Pieces)	PM	0.04	0.14
		NO <sub>x</sub>	0.21	0.92
		CO	0.36	1.55
		VOC	0.03	0.11
		SO <sub>2</sub>	<0.01	0.02
		HF	0.10	0.44
E40	15 KVA Emergency Generator No. 5	PM	0.05	<0.01
		NO <sub>x</sub>	0.63	0.09
		CO	0.14	0.02

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VOC	0.05	<0.01
SO <sub>2</sub>	0.05	<0.01

- (1) Emission point identification - emission point number from plot plan.
- (2) Specific point source name.
- (3) CO - carbon monoxide  
HF - hydrogen fluoride  
NO<sub>x</sub> - nitrogen oxides  
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  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
- (4) Rate is for a rolling 12-consecutive months.
- (5) Combustion emission

Dated August 12, 2005