

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 6428

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 (9) *	
			lbs/hour	TPY
F1	Stockpiles (4)	PM	--	0.36
		PM <sub>10</sub>	--	0.18
F2	Material Handling (4)	PM	0.62	0.56
		PM <sub>10</sub>	0.10	0.12
F4	Block Crusher (4)	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
F9	Hopper No. 1 Baghouse Stack	PM <sub>10</sub>	0.07	0.30
F10	Silo No. 3 Baghouse Stack	PM <sub>10</sub>	0.07	0.11
F11	Silo No. 4 Baghouse Stack	PM <sub>10</sub>	0.07	0.11
F12	Silo No. 5 Baghouse Stack	PM <sub>10</sub>	0.07	0.11
F13	Hopper No. 2 Baghouse Stack	PM <sub>10</sub>	0.43	1.88
F14	Silo No. 1 Baghouse Stack	PM <sub>10</sub>	0.07	0.11
F15	Silo No. 2 Baghouse Stack	PM <sub>10</sub>	0.07	0.11
F16	Plant No. 1 Steam Generators (5)	PM <sub>10</sub>	0.04	0.16
		VOC	0.02	0.08
		SO <sub>2</sub>	0.01	0.01
		NO <sub>x</sub>	0.31	1.37
		CO	0.07	0.29
F17	Plant No. 2 Steam	PM <sub>10</sub>	0.02	0.07

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	Generator (6)	VOC	0.02	0.05
		SO <sub>2</sub>	< 0.01	0.01
		NO <sub>x</sub>	0.31	0.96
		CO	0.26	0.81
F1a-F1b	Sand Screening Operation (4, 7)	PM	0.18	0.19
		PM <sub>10</sub>	0.08	0.09
F12b	Cement Silo Baghouse (8)	PM <sub>10</sub>	0.07	0.21
F53	Manufacturing Building Baghouse	PM <sub>10</sub>	0.01	0.02

- (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  
NO<sub>x</sub> - total oxides of nitrogen  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only.
- (5) Includes three stacks (F16a, F16b and F16c)
- (6) Includes five identical boilers with two stacks each (F17a through F17j)
- (7) Authorized by Permit by Rule (PBR) Number 49573, February 2, 2002
- (8) Authorized by PBR Number 50914, June 5, 2002
- (9) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule and production rates: 20 Hrs/day 6 Days/week 52 Weeks/year or 6,240 Hrs/year

Maximum Hourly Production: 82.4 tons per hour of produced block

Maximum Annual Production: 171,400 tons per year of produced block

Date: February 7, 2013