

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 22366

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 (5)
Gravity Pipe Plant				
18, 19, 20 and 21	Cement Silos Baghouses (8)	PM <sub>10</sub>	0.21	0.05
CWB 1	Cement Weigh Bin (4)	PM <sub>10</sub>	0.30	0.24
11, 12 and 13	Mixers (4)	PM	0.16	0.13
		PM <sub>10</sub>	0.08	0.06
1-10a and 14-17	Material Handling (4)	PM	0.12	0.10
		PM <sub>10</sub>	0.05	0.04
STK 13	Stockpiles (4)	PM	--	0.14
		PM <sub>10</sub>	--	0.07
22	Boiler	NO <sub>x</sub>	0.64	2.81
		CO	0.54	2.36
		SO <sub>2</sub>	< 0.01	0.02
		PM	0.05	0.21
		VOC	0.04	0.15
FUG2GPP	Outdoor Gravity Pipe Coating Brush Application	VOC	24.63	0.31
FUG3GPP	Outdoor Gravity Pipe Coating Spray Application of Form Release	VOC	9.63	0.20
		PM	0.04	< 0.01
Outdoor Wet Pre-Cast Plant				
27, 28	Cement Fly Ash Silos Baghouses (8)	PM <sub>10</sub>	0.10	0.02
29	Mixer (4)	PM	0.08	0.04
		PM <sub>10</sub>	0.04	0.02
23-26	Material Handling (4)	PM	0.01	< 0.01
		PM <sub>10</sub>	< 0.01	< 0.01

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STK1	Stockpiles (4)	PM	--	0.18
		PM <sub>10</sub>	--	0.09
Manhole Plant and Hydropak Plant				
39, 40	Cement Silos Baghouses (8)	PM <sub>10</sub>	0.10	0.04
36	Manhole Plant Mixer (4)	PM	0.04	0.04
		PM <sub>10</sub>	0.02	0.02
37	Manhole Plant Mixer Dust Collector (4)	PM <sub>10</sub>	< 0.01	0.02
38	Hydropak Plant Mixer (4)	PM	0.04	0.04
		PM <sub>10</sub>	0.02	0.02
38a	Hydropak Plant Mixer Dust Collector	PM <sub>10</sub>	< 0.01	0.02
32-35	Material Handling (4)	PM	0.01	0.01
		PM <sub>10</sub>	< 0.01	< 0.01
STK 2	Stockpiles (4)	PM	--	0.11
		PM <sub>10</sub>	--	0.05
30	Boiler	NO <sub>x</sub>	0.53	2.32
		CO	0.44	1.95
		SO <sub>2</sub>	< 0.01	0.01
		PM	0.04	0.18
		VOC	0.03	0.13
31	Boiler	NO <sub>x</sub>	0.64	2.81
		CO	0.54	2.36
		SO <sub>2</sub>	< 0.01	0.02
		PM	0.05	0.21
		VOC	0.04	0.15
Indoor Wet Pre-Cast Plant				
41-47	Material Handling (4)	PM	0.02	0.03
		PM <sub>10</sub>	0.01	0.01
47A	Mixer (4)	PM	0.17	0.21
		PM <sub>10</sub>	0.08	0.10

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49	Silos Dust Collector	PM <sub>10</sub>	0.11	0.14
STK 3 and STK 11	Stockpiles (4)	PM	--	1.63
		PM <sub>10</sub>	--	0.81
FUG9OPC	Outdoor Brush Application of Coatings	VOC (6)	8.32	3.28
FUG13IPC	Outdoor Spray Application of Form Release	VOC (6)	7.34	5.51
		PM	0.02	0.02
FUG 11	Boiler/Steam Generator	NO <sub>x</sub>	0.29	1.29
		CO	0.25	1.08
		SO <sub>2</sub>	< 0.01	< 0.01
		PM	0.02	0.10
		VOC	0.02	0.07
Fuel Tanks				
104 and 105	Split Fuel Tank (4)	VOC	0.34	1.47
Coatings Abrasive Blast Cleaning Area				
FUG 10	Maintenance Blasting (4)	PM	0.74	0.08
		PM <sub>10</sub>	0.09	< 0.01
Site-Wide Hazardous Air Pollutant (HAP) Limitations				
ALL (7)	Various	Individual HAP	--	< 10.00
		All HAPs	--	< 25.00

- (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  
HAP - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C  
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) Annual emission rates are for each rolling consecutive 12-month period.
- (6) Valid substitution in accordance with Special Condition No. 23 may cause the hourly rate to vary.
- (7) All surface coating facilities.
- (8) Emission rates are the summation of emissions authorized for these points.

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(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:

Production

Gravity Pipe Plant

75 cubic yards/hour 122,000 cubic yards/year  
24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Outdoor Wet Pre-Cast Plant

25 cubic yards/hour 25,000 cubic yards/year  
24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Manhole Plant and Hydropak Plant

40 cubic yards/hour 80,000 cubic yards/year  
24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Indoor Wet Pre-Cast Plant

50 cubic yards/hour 125,000 cubic yards/year  
24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Date: March 15, 2013