

## 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. 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 *	
			lb/hr	TPY(5)
<u>Gravity Pipe Plant</u>				
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY(5)
27, 28	Cement/Flyash Silos= Baghouses (8)	PM <sub>10</sub>	0.10 0.02	0.10
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
Stk 1	Stockpiles (4)	PM	--	0.18
		PM <sub>10</sub>	--	0.09
<u>Manhole Plant and Hydropak Plant</u>				
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY(5)
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
<u>Indoor Wet Pre-Cast Plant</u>				
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
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

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		VOC	0.02	0.07
<u>Fuel Tanks</u>				
104 and 105	Split Fuel Tank (4)	VOC	0.34	1.47
<u>Coatings Abrasive Blast Cleaning Area</u>				
Fug 10	Maintenance Blasting (4)	PM	0.74	0.08
		PM <sub>10</sub>	0.09	<0.01
<u>Site-Wide Hazardous Air Pollutant (HAP) Limitation</u>				
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) 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. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
Exempt Solvent - compounds or mixtures of carbon compounds excluded from definition of VOC.  
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  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide
- (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.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Production

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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

Dated April 16, 2008 \_