EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5903

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
MS-6	Raw Material Storage Stockpiles (4)	PM	0.15	0.66
		PM_{10}	0.08	0.33
MS-1 through 5	Material Drops to Piles (4)	PM	0.92	4.02
		PM_{10}	0.43	1.91
BP1-1 through 4	Block Plant No. 1 Fugitives (4)	PM	0.13	0.58
		PM_{10}	0.06	0.27
BP2-1 through 6	Block Plant No. 2 Fugitives (4)	PM	0.28	1.24
		PM_{10}	0.14	0.59
SM-1 through 7	Bagging Plant Fugitives (4)	PM	0.35	1.51
		PM_{10}	0.16	0.72
BP1-7	Block Plant No. 1 Silo Baghouse (b)	PM_{10}	0.04	0.01
BP1-8 and 9	Block Plant No. 1 Silo Baghouse (c)	PM_{10}	0.04	0.02
BP1-10	Block Plant No. 1 Mixer Vent Baghouse (a)	PM_{10}	0.06	0.26
BP1-11	Block Plant No. 1 Weigh Hopper Vent Baghouse (a)	PM_{10}	0.01	0.05
BP2-7 through 10	Block Plant No. 2 and 3 Silo Baghouses (d)	PM_{10}	0.15	0.07
BP2-11	Block Plant No. 2 Mixer Vent Baghouse (a)	PM_{10}	0.06	0.26

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
BP2-12	Block Plant No. 2 Weigh Hopper Vent Baghouse (a)	PM_{10}	0.01	0.05
BP3-1	Block Plant No. 3 Mixer Vent Baghouse (a)	PM_{10}	0.06	0.26
BP3-2	Block Plant No. 3 Weigh Hopper Vent Baghouse (a)	PM_{10}	0.01	0.05
SM-8	Sand Dryer Baghouse (a)	PM_{10}	1.20	5.27
		NO_x	2.27	9.94
		SO_2	0.01	0.01
		VOC	0.12	0.55
		CO	1.91	8.35
SM-9	Elevator and Screen Baghouse (a)	PM_{10}	1.12	4.89
SM-10	Bagging System Baghouse (a)	PM_{10}	1.12	4.89
SM-11 thru 14	Bagging Plant Silo Baghouses (e)	PM_{10}	0.08	0.08
SM-16	Bucket Conveyor Discharge Baghouse (a)	PM_{10}	0.51	2.25
E-9	Natural Gas Steam Generator (a)	PM_{10}	0.03	0.12
		NO_x	0.37	1.60
		SO_2	0.01	0.01
		VOC	0.02	0.09
		CO	0.31	1.35

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
E-10	Natural Gas Steam Generator (a)	PM_{10}	0.03	0.12
		NO_x	0.37	1.60
		SO_2	0.01	0.01
		VOC	0.02	0.09
		CO	0.31	1.35
E-11	Natural Gas Boiler (a)	PM_{10}	0.04	0.17
		NO_x	0.52	2.29
		SO_2	0.01	0.01
		VOC	0.03	0.13
		CO	0.44	1.92

(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_{10}.
PM_{10} - 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.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
CO - carbon monoxide
(4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedules and maximum production rates:

(a) 24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year
(b) 585 Hrs/year
(c) 1,170 Hrs/year
(d) 878 Hrs/year
(e) 1,569 Hrs/year

Concrete Block Production: 4,032 Block units/hour 35,320,320 Block units/year
(Block Plant Nos. 1, 2, and 3; a block unit has a finished weight of approximately 104.3 pounds and consists concrete block or a combination of blocks produced in a mold)
Bagged Cement Production: 1,750 Bags/hour 15,330,000 Bags/year
(Sacking Plant Nos. 1 and 2)

Dated _____