

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 84769

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)	<u>Emission Rates *</u>		TPY**
				lb/hr	
AREA1					
1SDSCREEN01	Wet Vibrating Screen (4)		PM	0.09	0.40
			PM <sub>10</sub>	0.03	0.13
1SDSCREEN02	Dewatering Screen (4)		PM	0.09	0.38
			PM <sub>10</sub>	0.02	0.09
LFUG	Loading/Unloading Operations (4, 6)		PM	0.05	0.22
			PM <sub>10</sub>	0.02	0.11
MHFUG	Material Handling (4, 7)		PM	0.03	0.12
			PM <sub>10</sub>	0.01	0.04
1STP01	Stockpiles (4)		PM		0.29
			PM <sub>10</sub>		0.14
1STP02, 04	Stockpiles (4)		PM		0.14
			PM <sub>10</sub>		0.07
1STP03	Stockpiles (4)		PM		0.04
			PM <sub>10</sub>		0.02
1STP05	Stockpiles (4)		PM		0.16
			PM <sub>10</sub>		0.08

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**Area 2**

2BAGH01	Rotary Dryer Baghouse Stack	PM <sub>10</sub>	5.31	23.21
		NO <sub>x</sub>	6.95	30.37
		CO	4.01	17.52
		SO <sub>2</sub>	0.01	0.05
		VOC	0.53	2.34
2BAGH02	Silo Baghouse Stack (5)	PM <sub>10</sub>	<0.01	0.02
2BAGH03	Silo Baghouse Stack (5)	PM <sub>10</sub>	<0.01	0.02
2BAGH04	Silo Baghouse Stack (5)	PM <sub>10</sub>	<0.01	0.02
LFUG	Loading/Unloading Operations (4, 8)	PM	0.03	0.14
		PM <sub>10</sub>	0.02	0.07
MHFUG	Material Handling (4, 9)	PM	0.06	0.28
		PM <sub>10</sub>	0.02	0.09
2STP01	Stockpiles (4)	PM		0.81
		PM <sub>10</sub>		0.40
2AST05	10,000 Gal. Diesel Tank	VOC	<0.01	<0.01
2AST06	8,000 Gal. Diesel Tank	VOC	<0.01	<0.01

**Area 3**

3BAGH05	Fluid Bed Dryer Baghouse Stack	PM <sub>10</sub>	6.26	27.33
		NO <sub>x</sub>	4.01	17.50
		CO	2.31	10.10
		SO <sub>2</sub>	0.01	0.03
		VOC	0.31	1.35
3BAGH06	Silo Baghouse Stack (5)	PM <sub>10</sub>	0.01	0.02
3BAGH07	Silo Baghouse Stack (5)	PM <sub>10</sub>	0.01	0.02

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3BAGH08	Silo Baghouse Stack (5)	PM <sub>10</sub>	0.01	0.02
3SDSCREEN01	Double Deck Scalping Screen (4)	PM	0.88	3.84
		PM <sub>10</sub>	0.30	1.29
3DWSCREEN01	Dewatering Screen 1 (4)	PM	0.84	3.67
		PM <sub>10</sub>	0.20	0.88
3DWSCREEN02	Dewatering Screen 2 (4)	PM	0.36	1.57
		PM <sub>10</sub>	<0.01	0.38
LFUG	Loading/Unloading Operations (4, 10)	PM	0.17	0.73
		PM <sub>10</sub>	0.08	0.35
MHFUG	Material Handling (4, 11)	PM	0.22	0.98
		PM <sub>10</sub>	0.07	0.32
3STP01, 02	Stockpiles (4)	PM		0.67
		PM <sub>10</sub>		0.34
3STP03-05, 09	Stockpiles (4)	PM		0.19
		PM <sub>10</sub>		0.10
3STP06	Stockpiles (4)	PM		0.31
		PM <sub>10</sub>		0.16
3STP07	Stockpiles (4)	PM		1.20
		PM <sub>10</sub>		0.60
3STP08	Stockpiles (4)	PM		0.16
		PM <sub>10</sub>		0.08
3STP10	Stockpiles (4)	PM		0.21
		PM <sub>10</sub>		0.11
3STP11	Stockpiles (4)	PM		0.10
		PM <sub>10</sub>		0.05
4AST01	1,000 Gal. Gasoline Tanks	VOC	0.04	0.18

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4AST03	340 Gal. Hydraulic Fluid Tank	VOC	0.01	0.01
4AST04	340 Gal. Motor Oil Tank	VOC	0.01	0.01
4AST05	1,000 Gal. Recycled Oil Tank	VOC	0.01	0.01

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

(5) Silos 2BAGH02 through 2BAGH04 to be loaded sequentially. Silo 3BAGH06 through 3BAGH08 to be loaded sequentially.

(6) Includes EPNs 1MHP01 through 1MHP03, 1DROP10, and 2MHP01.

(7) Includes EPNs 1DROP02, 1DROP05, 1DROP07, 1DROP08, and 1DROP12.

(8) Includes EPN 2DROP01.

(9) Includes EPNs 2DROP02 through 2DROP04.

(10) Includes EPNs 3DROP5, 3MHP01, and 3MHP02

(11) Includes EPNs 3DROP06, 3DROP09 through 3DROP12, 3DROP15, 3DROP16, 3DROP25 through 3DROP27, and 3DROP31 through 3DROP33.

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

24 Hrs/day, 7 Days/week, 52 Weeks/year limited to 8,736 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Total Facility:	Area 1:	42 Tons/hour	366,912 Tons/year
	Area 2:	150 Tons/hour	1,310,400 Tons/year
	Area 3:	400 Tons/hour	3,494,400 Tons/year

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Dated June 15, 2009