

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 38808

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>	
			lb/hr	TPY**
WS-01	Wet Scrubber 1 (5)	PM	2.75	12.05
		PM ₁₀	1.31	5.75
		SO ₂	0.36	1.60
		NO _x	7.24	31.72
		VOC	0.27	1.17
		CO	4.07	17.81
WS-03	Wet Scrubber 3 (6)	PM	0.17	0.74
		PM ₁₀	0.08	0.35
WS-04	Wet Scrubber 4 (7)	PM	0.10	0.42
		PM ₁₀	0.05	0.20
DC-01	Dust Collector 1 (8)	PM	<0.01	0.10
		PM ₁₀	<0.01	<0.01
DC-02	Dust Collector 2 (9)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.01
DC-03	Dust Collector 3 (15)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
GSDC-01 GSCY-01	Grinding Mill Baghouse (10)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
GSDC-02	Product Loadout Baghouse (11)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
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GSDC-03	Dust Collector 3 (12)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
Fug	Plant Fugitives (4)(13)	PM	0.64	1.87
		PM ₁₀	0.29	0.88
STK	Plant Stockpiles (4)(14)	PM	---	3.46
		PM ₁₀	---	1.71

- (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) PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
SO₂ - sulfur dioxide
NO_x - total oxides of nitrogen
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.
- (5) WS-01 emission sources consist of Burner BU-01 and Dryer DR-01.
- (6) WS-03 emission sources consist of BE-02 and VS-05 through VS-09.
- (7) WS-04 emission sources consist of BC-03, BC-04, and VS-02 through VS-04.
- (8) DC-01 emission sources consist of BE-01, BN-01 through BN-05, and BC-05.
- (9) DC-02 emission sources consist of BC-14, BE-04, BN-06 through BN-09, BC-18, GS-01 through GS-05, and Truck Loading A (LS-01 and LS-03).
- (10) GSDC-01 and GSCY-01 emission sources consist of GSBE- 01, GSBC-01, GSSC-01 through GSSC-09, and GSPM-01.
- (11) GSDC-02 emission sources consist of GSSI-01 through GSSI-03 and GSLS-01.
- (12) GSDC-03 emission sources consist of GSBN-01, GSBE-02, GSBE-03, and GSFE-01.
- (13) Plant fugitive emission sources consist of BC-01, BC-02, BC-06 through BC-08, BC-11 through BC-13, BC-16, and HO-01 through HO-03, FE-01, FE-02, VS-18, and Truck Loading B (LS-02).
- (14) Plant stockpile emission sources consist of Feed Stockpile 1, Feed Stockpile 2, Feed Stockpile 3, hardie stockpiles, and crude stockpiles.
- (15) DC-03 emission sources consist of BC-15, BC-17, and BE-03.

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

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated September 15, 2008