

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80572

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
Voca Crushing Circuit				
3	Jaw Crusher No. 1 (4)	PM	0.01	0.03
		PM ₁₀	<0.01	0.01
4	Screen No. 1 (4)	PM	0.63	1.88
		PM ₁₀	0.22	0.65
5	Jaw Crusher No. 2 (4)	PM	0.01	0.02
		PM ₁₀	<0.01	0.01
1, 2, and 6	Material Handling (4) (5)	PM	0.73	2.16
		PM ₁₀	0.26	0.75
Voca VSI Circuit				
10	Screen No. 2 (4)	PM	0.66	1.98
		PM ₁₀	0.22	0.67
11	Screen No. 3 (4)	PM	0.66	1.98
		PM ₁₀	0.22	0.66
12	VSI Crusher No. 3 (4)	PM	0.12	0.36
		PM ₁₀	0.05	0.16
7, 8, 9, 13, and 14	Material Handling (4) (6)	PM	0.17	0.50
		PM ₁₀	0.06	0.17
Voca Hydrosizer Circuit				
15	Screen No. 4 (4)	PM	0.06	0.18
		PM ₁₀	0.02	0.06

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
16	Screen No. 5 (4)	PM	0.06	0.18
		PM ₁₀	0.02	0.06
17	Screen No. 6 (4)	PM	0.04	0.11
		PM ₁₀	0.01	0.04
Voca Dryer Circuit				
20	Wet Scrubber Stack No. 1 (7)	PM	3.00	9.00
		PM ₁₀	3.00	9.00
		CO	2.62	7.87
		NO _x	4.65	13.95
		SO ₂	0.17	0.52
		VOC	0.28	0.84
20A	Wet Scrubber Stack No. 1A (7)	PM	1.00	---
		PM ₁₀	1.00	---
		CO	0.49	---
		NO _x	0.85	---
		SO ₂	0.03	---
		VOC	0.05	---
18 and 19	Material Handling (4) (8)	PM	0.04	0.13
		PM ₁₀	0.01	0.04
18A and 19A	Material Handling (4) (8)	PM	0.01	---
		PM ₁₀	<0.01	---
Voca Screen House				
21	Wet Scrubber Stack No. 2 (9)	PM	0.06	0.18
		PM ₁₀	0.01	0.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
Voca Loadout				
22 through 30	Material Handling (4) (10)	PM	0.24	1.00
		PM ₁₀	0.92	0.36
SPFUG	Stockpiles (4)	PM	---	2.89
		PM ₁₀	---	1.45

- (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 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.
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 NO_x - nitrogen oxides
 SO₂ - sulphur dioxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only.
- (5) Emission rates are the total for the loading hopper, grizzly feeder, and the conveyor drop.
- (6) Emission rates are the total for the two feeder drops and three conveyor drops.
- (7) Emissions vented from two dryers (throughputs of 150 tons per hour (tph) and 50 tph). The annual emission rates will be the combined total for both dryers.
- (8) Emission rates are the total for two sets of loading hoppers and two sets of storage bin drops feeding the dryers. The annual emission rates will be the combined total for all four drops.
- (9) Emissions vented from an enclosed building housing 17 screens and 12 storage silos.
- (10) Emission rates are the total for two conveyor drops, six silo/truck load outs, and one mixing conveyor drop.

Dated May 11, 2010