

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 91854

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
CRUSH1	Primary Jaw Crusher (4)	PM	0.19	0.40
		PM ₁₀	0.09	0.19
		PM ₄ /PM _{2.5}	0.05	0.10
CRUSH2	Secondary Crusher (4)	PM	0.36	1.21
		PM ₁₀	0.16	0.54
		PM ₄ /PM _{2.5}	0.08	0.27
GRIZZLY	Grizzly Screen (4)	PM	0.30	0.69
		PM ₁₀	0.10	0.23
		PM ₄ /PM _{2.5}	0.04	0.09
SCREEN170	Product Screen (4)	PM	0.18	0.56
		PM ₁₀	0.04	0.14
		PM ₄ /PM _{2.5}	0.02	0.05
SCREEN171	Product Screen (4)	PM	0.18	0.56
		PM ₁₀	0.04	0.14
		PM ₄ /PM _{2.5}	0.02	0.05
SCREEN172	Product Screen (4)	PM	0.18	0.56
		PM ₁₀	0.04	0.14
		PM ₄ /PM _{2.5}	0.02	0.05
SCREEN173	Product Screen (4)	PM	0.18	0.56
		PM ₁₀	0.04	0.14
		PM ₄ /PM _{2.5}	0.02	0.05
SCREENPOL	Polishing Screen (4)	PM	0.18	0.79
		PM ₁₀	0.04	0.19
		PM ₄ /PM _{2.5}	0.02	0.08

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			lb/hr	TPY
LOAD	Hopper Loading (4) (5)	PM	0.11	0.29
		PM ₁₀	0.05	0.14
		PM ₄ /PM _{2.5}	0.03	0.07
BGHOUSE1	Surge Tank Baghouse Stack	PM ₁₀	0.04	0.19
		PM ₄ /PM _{2.5}	0.04	0.19
BINVENT1	Storage Silo Baghouse Stack	PM ₁₀	0.02	0.09
		PM ₄ /PM _{2.5}	0.02	0.09
BINVENT2	Storage Silo Baghouse Stack	PM ₁₀	0.02	0.09
		PM ₄ /PM _{2.5}	0.02	0.09
BINVENT3	Storage Silo Baghouse Stack	PM ₁₀	0.02	0.09
		PM ₄ /PM _{2.5}	0.02	0.09
BINVENT4	Storage Silo Baghouse Stack	PM ₁₀	0.02	0.09
		PM ₄ /PM _{2.5}	0.02	0.09
BGHOUSE2	Loadout Baghouse Stack	PM ₁₀	0.04	0.09
		PM ₄ /PM _{2.5}	0.04	0.09
BGHOUSE3	Loadout Baghouse Stack	PM ₁₀	0.04	0.09
		PM ₄ /PM _{2.5}	0.04	0.09
BGHOUSE4	Loadout Baghouse Stack	PM ₁₀	0.04	0.09
		PM ₄ /PM _{2.5}	0.04	0.09
BGHOUSE5	Loadout Baghouse Stack	PM ₁₀	0.04	0.09
		PM ₄ /PM _{2.5}	0.04	0.09
MHFUG	Material Handling (4) (6)	PM	0.39	1.70

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			lb/hr	TPY
		PM ₁₀	0.14	0.61
		PM ₄ /PM _{2.5}	0.07	0.31
SPFUG1	Stockpiles (4) (7)	PM	-.--	2.70
		PM ₁₀	-.--	1.35
		PM ₄ /PM _{2.5}	-.--	0.68
DRYER1	Dryer Baghouse Stack	NO _x	1.62	7.10
		CO	4.00	17.50
		SO ₂	0.41	1.80
		PM ₁₀ /PM ₄ /PM _{2.5}	0.81	3.55
		VOC	0.41	1.80
VAPORIZER	Vaporizer	NO _x	0.03	0.11
		CO	0.02	0.07
		SO ₂	<0.01	0.01
		PM ₁₀ /PM ₄ /PM _{2.5}	<0.01	0.01
		VOC	<0.01	0.01
FUG	Dryer Fuel Fugitives (4)	VOC	0.58	2.54
DSLTK	7,100 gal Diesel Storage Tank (4)	VOC	2.60	0.02

(1) Emission point identification - either specific equipment designation or emission point number (EPN) 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_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀, PM₄, and PM_{2.5}

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

PM₄ - particulate matter equal to or less than 4 microns in diameter

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

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- (4) Fugitive emissions are an estimate only.
- (5) Includes EPNs HOPPER1 and DRYLINE1.
- (6) Includes EPNs TRANSFER5 through TRANSFER27.
- (7) Includes a cumulative 7.02 acres of stockpiles.

Dated: August 20, 2010