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, sources, and related activities. 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 (6)	
			lbs/hour	TPY (4)
1	Feed Hopper (5)	PM	0.41	1.51
		PM_{10}	0.20	0.71
		$PM_{2.5}$	0.003	0.11
2	Grizzly Feeder (5)	PM	0.41	1.51
		PM_{10}	0.20	0.71
		$PM_{2.5}$	0.003	0.11
3	Primary (Jaw) Crusher (5)	PM	0.08	0.29
		PM_{10}	0.04	0.14
		$PM_{2.5}$	<0.01	0.02
3A	Transfer to Screen Tower Conveyor (5)	PM	0.11	0.39
		PM_{10}	0.03	0.13
		$PM_{2.5}$	<0.01	0.02
4	Primary Screen Tower (5)	PM	0.12	0.42
		PM_{10}	0.04	0.14
		$PM_{2.5}$	<0.01	0.02
4A	Transfer from Screen Tower (5)	PM	0.01	0.03
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

4B	Transfer to VSI Feed Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
5	Secondary (VSI) Crusher (5)	PM	0.02	0.07
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
5A	Recycle Transfer to Tower Conveyor (5)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
17A	Transfer to Coarse Pile Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
17B	Transfer to 40/70 Pile Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
17C	Transfer to Coarse Pile Radial Stacker (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
17D	Transfer to 40/70 Pile Radial Stacker (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
18	Front-End Loader to Hopper (5)	PM	0.01	0.04
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

19	Hopper to Dryer Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
18A	Front-End Loader to Hopper (5)	PM	<0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
19A	Hopper to Dryer Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
19B	Drop to Dryer (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
19C	Drop to Dryer (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
H-1	Front-End Loader to Dryer 3 Hopper (5)	PM	0.01	0.04
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	0.01
TR-1	Hopper to Dryer Conveyor (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TR-2	Drop to Dryer (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

21	Screen House No. 1 Wet Scrubber Stack	PM	0.06	0.18
		PM_{10}	0.02	0.04
		$PM_{2.5}$	<0.01	0.01
SH-2	Screen House No. 2 Baghouse Stack	PM	0.11	0.34
		PM_{10}	0.03	0.08
		$PM_{2.5}$	<0.01	0.01
LO-1	Truck Loadout Area 1 (5)	PM	0.03	0.13
		PM_{10}	0.015	0.06
		$PM_{2.5}$	<0.01	0.01
LO-2	Truck Loadout Area 2 (5)	PM	0.04	0.05
		PM_{10}	0.02	0.02
		$PM_{2.5}$	<0.01	<0.01
20	Dryer No. 1 Wet Scrubber Stack	PM	3.00	9.00
		PM_{10}	3.00	9.00
		$PM_{2.5}$	0.25	0.73
		NO_x	4.65	13.95
		CO	2.62	7.87
		SO_2	0.17	0.52
		VOC	0.28	0.84
20A	Dryer No. 2 Baghouse Stack	PM	1.00	3.00
		PM_{10}	1.00	3.00
		$PM_{2.5}$	0.07	0.22
		NO_x	1.61	4.84
		CO	0.78	2.35

Emission Sources - Maximum Allowable Emission Rates

		SO_2	0.05	0.16
		VOC	0.08	0.25
DRY-3	Dryer No. 3 Baghouse Stack	PM	3.00	9.00
		PM_{10}	3.00	9.00
		$PM_{2.5}$	0.46	1.38
		NO_x	9.62	28.86
		CO	4.92	14.75
		SO_2	0.33	0.16
		VOC	0.52	1.57
SILO 1-8	Silos 1-8 Bin Vents	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
SPFUG	Stockpiles (5)	PM	0.11	0.48
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.01	0.03

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Emission Sources - Maximum Allowable Emission Rates

(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: November 25, 2013