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, 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)
CRUSH1	Grizzly Screen / Primary Jaw Crusher (5)	PM	0.33	1.28
		PM_{10}	0.11	0.45
		$PM_{2.5}$	0.01	0.04
CRUSH2	Secondary Crusher (5)	PM	0.13	0.46
		PM_{10}	0.06	0.21
		$PM_{2.5}$	0.01	0.04
LOAD	Hopper Loading (5)	PM	0.01	0.03
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
BINVENT1	Storage Silo Baghouse Stack	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
BINVENT2	Storage Silo Baghouse Stack	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
BINVENT3	Storage Silo Baghouse Stack	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
BINVENT4	Storage Silo Baghouse Stack	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09

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BINVENT5	Surge Tank Baghouse Stack	PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.04	0.19
BGHOUSE2	Loadout Baghouse Stack	PM	0.04	0.09
		PM_{10}	0.04	0.09
		$PM_{2.5}$	0.04	0.09
BGHOUSE3	Loadout Baghouse Stack	PM	0.04	0.09
		PM_{10}	0.04	0.09
		$PM_{2.5}$	0.04	0.09
BGHOUSE4	Loadout Baghouse Stack	PM	0.04	0.09
		PM_{10}	0.04	0.09
		$PM_{2.5}$	0.04	0.09
BGHOUSE5	Loadout Baghouse Stack	PM	0.04	0.09
		PM_{10}	0.04	0.09
		$PM_{2.5}$	0.04	0.09
BGHOUSE6	Screen and Transfer Control Baghouse Stack (7)	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
BGHOUSE7	Screen and Transfer Control Baghouse Stack (7)	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
BGHOUSE8	Screen and Transfer Control Baghouse Stack (7)	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
MHFUG	Material Handling (5), (8)	PM	0.43	1.69
		PM_{10}	0.16	0.62

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		$PM_{2.5}$	0.05	0.18
DRYER1	Dryer Baghouse Stack	PM	0.81	3.55
		PM_{10}	0.81	3.55
		$PM_{2.5}$	0.81	3.55
		NO_X	1.62	7.10
		CO	4.00	17.50
		SO_2	0.41	1.80
		VOC	0.41	1.80
VAPORIZER	Vaporizer Stack	PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		NO_X	0.03	0.11
		CO	0.02	0.07
		SO_2	<0.01	0.01
		VOC	<0.01	0.01
FUG	Dryer Fuel Fugitive (5)	VOC	0.58	2.54
DSLTNK	7,200 gal Diesel Storage Tank (5)	VOC	2.60	0.02
SPFUG1	Stockpiles (5)	PM	-.--	0.57
		PM_{10}	-.--	0.29
		$PM_{2.5}$	-.--	0.08
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
PBR Number 98796				
STGBARNS	Proppant on Demand Storage (5)	PM	-.--	0.16
		PM_{10}	-.--	0.08

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		$PM_{2.5}$	-.--	0.01
TRSFRPOD	Tansfers for PODs (5)	PM	0.16	0.59
		PM_{10}	0.06	0.21
		$PM_{2.5}$	0.01	0.03
CONVEY	Conveyors (>300 ft.) for PODs (5)	PM	0.12	0.52
		PM_{10}	0.04	0.20
		$PM_{2.5}$	0.01	0.03
PBR Number 104450				
PILETMP	Temporary Storage Piles (5)	PM	-.--	2.88
		PM_{10}	-.--	1.44
		$PM_{2.5}$	-.--	0.41
PILEWST	Waste Storage Pile (5)	PM	-.--	6.88
		PM_{10}	-.--	3.44
		$PM_{2.5}$	-.--	0.98

(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 - 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
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
(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.
(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit
(7) Controls emissions from the Rotex Screens (170 through 173), the Polishing Screen, and Transfer Points designated as EPNs TRANSFER11 through TRANSFER16, TRANSFER18, TRANSFER26 and TRANSFER29.

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(8) Includes transfer points designated as EPNs TRANSFER1 through TRANSFER 4, TRANSFER6 through TRANSFER10, TRANSFER17, TRANSFER19 through TRANSFER24, TRANSFER27, TRANSFER 28, and TRANSFER30 through TRANSFER32.

Date: January 11, 2013