

Emission Sources - Maximum Allowable Emission Rates

Permit Number 7084

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)
BL1-1	Blend Facility Unloading Hopper (5)	PM	0.07	--
		PM ₁₀	0.02	--
		PM _{2.5}	0.02	--
L-1A	South Unloading Hopper (5)	PM	0.04	--
		PM ₁₀	0.01	--
		PM _{2.5}	0.01	--
L-1	Central Unloading Hopper (5)	PM	0.05	--
		PM ₁₀	0.01	--
		PM _{2.5}	0.01	--
BL1-1, L-1A, L-1	Combined Annual Unloading Operations (5)	PM	--	0.15
		PM ₁₀	--	0.05
		PM _{2.5}	--	0.05
BL1-2	Underground Drop from Blend Unloading Hopper to Crusher (5)	PM	<0.01	--
		PM ₁₀	<0.01	--
		PM _{2.5}	<0.01	--
L-1T	Central Unloading Hopper Drop (5)	PM	0.01	--
		PM ₁₀	<0.01	--
		PM _{2.5}	<0.01	--
BL1-2, L-1T	Combined Annual Underground Drop from Blend Unloading Hopper to Crusher and Central Unloading Hopper Drop Operations (5)	PM	--	0.02
		PM ₁₀	--	0.01
		PM _{2.5}	--	0.01

Emission Sources - Maximum Allowable Emission Rates

BL1-2	Underground Blend Facility Crusher (5)	PM	0.12	--
		PM ₁₀	0.04	--
		PM _{2.5}	0.04	--
F16B1	South Crusher (5)	PM	0.19	--
		PM ₁₀	0.06	--
		PM _{2.5}	0.06	--
L-2	Central Crusher (5)	PM	0.23	--
		PM ₁₀	0.07	--
		PM _{2.5}	0.07	--
BL1-2, F16B1, L-2	Total Annual Crusher Operations	PM	--	0.70
		PM ₁₀	--	0.21
		PM _{2.5}	--	0.21
BL1-2	Underground Portion of 60" Conveyor/Transfer (5)	PM	0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
BL1-3	Above-Ground Portion of 60" Conveyor/Transfer (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BL1-3T	Transfer from 60-in Conveyor/Transfer to Radial Stacker (5)	PM	0.03	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
BL1-4W	Blending Facility Radial Stacking Conveyor West Position (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BL1-4E	Blending Facility Radial Stacking Conveyor East Position (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BL1-5	Blend Facility West Storage Stockpile (5) (7)	PM	--	2.25
		PM ₁₀	--	0.68

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	--	0.68
BL2-5	Blend Facility East Storage Stockpile (5) (7)	PM	--	2.25
		PM ₁₀	--	0.68
		PM _{2.5}	--	0.68
BL-RC1W	Underground West Storage Pile Transfer Loadout/Reclaim Conveyors/Transfer (5)	PM	0.02	0.06
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
BL-RC1E	Underground East Storage Pile Transfer Loadout/Reclaim Conveyors/Transfer (5)	PM	0.02	0.06
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
BL-RC2W	Above-Ground Portion of West Reclaim Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BL-RC2E	Above-Ground Portion of East Reclaim Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BL-12T	Transfer from Reclaim Conveyor to 12-Mile Three Oaks Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
TOCONV-1	12-Mile Three Oaks Conveyor (5)	PM	0.08	0.24
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
TOCONV-BD	12-Mile Three Oaks Conveyor Booster Drive Transfer (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
TOCONV-1T	Transfer from 12-Mile Three Oaks Conveyor to F10 Conveyor (5)	PM	0.02	0.06
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-10	Flight No. 10 (F10) Conveyor (5)	PM	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-10T	Transfer from F10 to F09 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-9	Flight No. 9 (FO9) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-9T	Transfer From F09 to F08 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-8	Flight No. 8 (FO8) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-8T	Transfer to F08 from F07 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-7	Flight No.7 (FO7) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-7T	Transfer from F07 to F06 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-6	Flight No. 6 (F06) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-6T	Transfer from F06 Conveyor to F05 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02

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SCONV-5	Flight No. 5 (F05) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-5T	Transfer from F05 to F04 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-4	Flight No. 4 (F04) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-4T	Transfer from F04 to F03 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-3	Flight No. 3 (F03) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-3T	Transfer from F03 to F02 Conveyor (5)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SCONV-2	Flight No. 2 (F02) Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCONV-2T	Transfer from F02 to F01 Conveyor or Central Stackout Conveyor (5)	PM	0.02	0.06
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SC-CONV	South Crusher Discharge Conveyor (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SC-CONVT	Transfer from South Crusher Discharge Conveyor to F10 Conveyor (5)	PM	0.02	0.06
		PM ₁₀	0.01	0.02

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		PM _{2.5}	0.01	0.02
CC-CONV	Central Crusher Feed Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
F16B5	Flight Conveyor No. 1 (F01) (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
LS2	Analyzer No. 2 (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
L-3	Transfer from F01 Conveyor to Tower No. 1 (5)	PM	0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
CC-STKCVRF	Central Stacking Conveyor Fugitives (5)	PM	0.17	0.64
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.03	0.12
CC-STKPLF	Central Stackout Pile Fugitives (5) (7)	PM	0.14	0.61
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.03	0.12
CC-STRPLF	Central Storage Pile Fugitives (5) (7)	PM	1.40	6.14
		PM ₁₀	0.27	1.17
		PM _{2.5}	0.27	1.17

- (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 PM₁₀ and PM_{2.5}, as represented
 - PM₁₀
 - 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
- (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) Emissions quantified include emissions from all typical operations of an open storage pile (e.g., loading, unloading, shaping, compacting, and upkeep).

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Date: May 31, 2017