EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4151

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
SF-1	Silica Sand Bin (4)	PM	0.07	0.05
		PM_{10}	0.07	0.05
SF-2	Crushed Converter Silica (4)	PM	0.02	0.01
	Receiving Pile	PM_{10}	0.02	0.01
SF-3	Copper Concentrate Pile (4)	PM	0.27	0.19
		PM_{10}	0.27	0.19
SF-4	Lime Rock Pile (4)	PM	0.08	0.06
		PM_{10}	0.08	0.06
SF-5	Uncrushed Brick Pile (4)	PM	0.04	0.03
		PM_{10}	0.04	0.03
SF-6	Intermediate Crushed Converter (4)	PM	<0.01	<0.01
	Silica/Brick Pile	PM_{10}	<0.01	<0.01
SF-7	Crushed Converter Silica (4)	PM	0.01	0.01
	Staging Pile	PM_{10}	0.01	0.01
SF-8	Uncrushed Converter Silica (4)	PM	0.01	0.01
	Receiving Bins	PM_{10}	0.01	0.01
HF-1A	Copper Concentrate Loading (4)	PM	0.21	0.15

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	0.04 to Pile	PM_{10}	0.10	0.02
HF-1B	Copper Concentrate Pile (4)	PM		0.09
	0.05 Maintenance	PM_{10}	0.04	0.02
HF-2	Silica Sand Deposit to Bin (4)	PM		0.12
	0.03	PM_{10}	0.05	0.01
HF-3	Uncrushed Converter Silica	PM		0.14
	0.01 Deposit to Pile (4)	PM_{10}	0.07	<0.01
HF-4	Lime Rock Deposit to Pile (4)	PM		0.77
	<0.01	PM_{10}	0.36	<0.01
HF-5	Uncrushed Brick Deposit	PM	0.27	<0.01
	to Pile (4)	PM_{10}	0.13	<0.01
HF-6	Copper Concentrate Loadout	PM		0.28
	0.08 from Pile (4)	PM_{10}	0.13	0.04
HF-7	Silica Sand Loadout from Bin (4)	PM		0.71
	0.29	PM_{10}	0.34	0.14
HF-8	Uncrushed Converter Silica	PM		0.89
	0.11 Loadout from Bin (4)	PM_{10}	0.42	0.05
HF-9	Lime Rock Loadout from Pile (4)	PM		1.17

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	0.04			
		PM_{10}	0.56	0.02
HF-10	Uncrushed Brick Loadout	PM	0.54	0.01
	from Pile (4)	PM_{10}	0.25	<0.01
HF-11Si	Uncrushed Converter Silica	PM		<0.01
	<0.01			
	Transfer to Crusher Charge	PM_{10}		<0.01
	<0.01			
	Hopper (4)			
HF-11BK	Uncrushed Brick Transfer to	PM		0.02
	<0.01			
	Crusher Charge Hopper (4)	PM_{10}		<0.01
	<0.01			
HF-12Si	Silica Crushing (4)	PM	0.22	0.02
		PM_{10}	0.09	0.01
HF-12BK	Brick Crushing (4)	PM	0.22	<0.01
		PM_{10}	0.09	<0.01
HF-13Si	Loadout of Crushed Silica	PM		0.03
	<0.01			
	from Crusher Storage Bin (4)	PM_{10}		0.01
	<0.01			
HF-13BK	Loadout of Crushed Brick	PM	0.03	<0.01
	from Crusher Storage Bin (4)	PM_{10}		0.01
	<0.01			
HF-14	Crushed Converter Silica (4)	PM		0.17
	0.03			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Transfer to Staging Pile	PM_{10}	0.08	0.02
HF-38	Crushed Converter Silica (4)	PM	0.17	0.03
	Transfer to Pile	PM_{10}	0.08	0.02
HF-39	Crushed Converter Silica	PM	0.89	0.18
	to Staging Pile (4)	PM_{10}	0.42	0.09
HF-40	Crushed Converter Silica	PM	0.17	0.03
	Transfer to Staging Pile (4)	PM_{10}	0.08	0.02
HF-41	Crushed Converter Silica	PM	0.45	0.09
	Transfer from Staging Pile (4)	PM_{10}	0.21	0.04
HF-42	Crushed Converter Silica	PM	0.17	0.03
	from Railcar to Receiving Pile (4)	PM_{10}	0.08	0.02
UNL/CUBH/S	Unloading Building Baghouse	PM	12.43	27.14
	East Side	PM_{10}	12.43	27.14
		Pb	0.50	0.70
		As	0.04	0.08
UNL/PBBH/S	Unloading Building Baghouse	PM	9.47	20.73
	West Side	PM_{10}	9.47	20.73
		Pb	0.50	1.09
		As	0.03	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
UNL/TBH/S	Transfer Area Baghouse	PM	3.01	6.58
		PM_{10}	3.01	6.58
		Pb	0.20	0.42
		As	<0.01	0.02
UNL/BD/N/S	Bedding Building Baghouse		PM	7.41
	32.45 North Side	PM_{10}	7.41	32.45
		Pb	0.50	2.19
		As	0.05	0.20
UNL/BD/S/S	Bedding Building Baghouse		PM	6.55
	28.67 South Side	PM_{10}	6.55	28.67
		Pb	0.50	2.19
		As	0.04	0.17
PS-1	Portable Screen (4)	TSP	0.14	0.10
		PM_{10}	0.14	0.10
HF-BDG	Bedding Building Fugitives (4)		TSP	<0.01
	<0.01	PM_{10}	<0.01	<0.01

(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 (including species)
PM_{10} - particulate matter less than 10 microns (including species)
Pb - lead
As - arsenic
TSP - total suspended particulate (including species)

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY

(4) Fugitive Emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

__24__ Hrs/day, __7__ Days/week, __52__ Weeks/year

Dated _____