

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

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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.

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Emission	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr TPY
SF-1	Silica Sand Bin (4, 5, 6)	PM	0.012
	0.05	PM ₁₀	0.006 0.03
SF-2	Crushed Converter Silica PM	PM	0.048 0.21
	Receiving Pile (4, 5, 7)	PM ₁₀	0.023
	0.01		
SF-4	Lime Rock Pile (4, 5, 8)	PM	0.003 0.012
		PM ₁₀	0.001 0.005
SF-5	Uncrushed Brick Pile (4, 5, 9)	PM	<0.001
	<0.002	PM ₁₀	<0.0002 <0.0008

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		Emission Rates *	
Point No. (1)		Name (2)	
		Name (3)	
		lb/hr	
		TPY	
SF-6	Intermediate Crushed Converter	PM	0.0031
	<0.014		
	Silica/Brick Pile (4, 5, 10)	PM ₁₀	<0.002
	<0.007		
SF-7	Crushed Converter Silica PM	<0.014	<0.06
	Staging Pile (4, 5, 11)	PM ₁₀	0.006
	<0.03		
SF-8	Uncrushed Converter Silica	PM	0.05
	0.20		
	Receiving Bins (4, 5, 12)	PM ₁₀	0.02
	0.10		
HF-11Si	Uncrushed Converter Silica	PM	0.0036
	0.00012		
	Transfer to Crusher Charge	PM ₁₀	0.0017
	0.00021		
	Hopper (4&5)		
HF-11BK	Uncrushed Brick Transfer to	PM	0.017
	9.0E-6		
	Crusher Charge Hopper (4&5)	PM ₁₀	0.0014
	5.6E-6		
HF-12Si	Silica Crushing (4)	PM	0.22
		PM ₁₀	0.09
			0.01
HF-12BK	Brick Crushing (4)	PM	0.22
			0.00011

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		Name (3)	
		lb/hr	
		TPY	
		PM ₁₀	0.09 4.5E-05
UNL/CUBH/S	Unloading Building Baghouse	PM	6.21
	13.60		
	East Side	PM ₁₀	6.21 13.60
		Pb	0.10 0.22
		As	0.002 0.005
UNL/PBBH/S	Unloading Building Baghouse	PM	4.73
	10.40		
	West Side	PM ₁₀	4.73 10.40
		Pb	0.076 0.17
		As	0.0015 0.0034
UNL/TBH/S	Transfer Area Baghouse	PM	1.50 3.29
		PM ₁₀	1.50 3.29
		Pb	0.07 0.14
		As	0.0005 0.0011
UNL/BD/N/S	Bedding Building Baghouse	PM	3.70
	16.20		
	North Side	PM ₁₀	3.70 16.20
		Pb	0.17 0.365
		As	0.0026 0.0113
UNL/BD/S/S	Bedding Building Baghouse	PM	3.27
	14.30		
	South Side	PM ₁₀	3.27 14.30

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		<u>Emission Rates *</u>	
Point No. (1)		Name (2)	
		Name (3)	
		lb/hr	
		TPY	
		Pb	0.17 0.365
		As	0.0023 0.01
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)
 PM₁₀ - particulate matter less than 10 microns (including species)
 Pb - lead
 As - arsenic
 TSP - total suspended particulate (including species)
- (4) Fugitive emissions are an estimate only.
- (5) PM and PM₁₀ may include trace amounts of lead.
- (6) EPN SF-1 subsumes EPNs HF-2 and HF-7 under previous version of permit
- (7) EPN SF-2 subsumes EPNs HF-42 under previous version of permit
- (8) EPN SF-4 subsumes EPNs HF-4, HF-8, and HF-9 under previous version of permit
- (9) EPN SF-5 subsumes EPNs HF-5 and HF-10 under previous version of permit
- (10) EPN SF-6 subsumes EPNs HF-13BK, HF-13SI, HF-38, HF-39, HF-40, and HF-41 under previous version of permit
- (11) EPN SF-7 subsumes EPNs HF-14 under previous version of permit
- (12) EPN SF-8 subsumes EPNs HF-3 under previous version of permit

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	<u>Emission Rates *</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	
	<u>Name (3)</u>	
	<u>lb/hr</u>	
	<u>TPY</u>	

Dated _____

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