

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2057

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
HEAT-FUG	Preheaters Nos. 1 and 2	PM/PM ₁₀	0.45	1.01
		VOC	0.01	0.01
		NO _x	0.16	0.22
		CO	0.13	0.18
		SO ₂	<0.01	<0.01
CM-FUG	Core/Mold Making and Isocure (Airset) Scrubber Fugitives	PM/PM ₁₀	4.52	6.34
		VOC	33.49	41.86
		HAP (5)	5.11	7.30
LF-FUG	Landfill Fugitives (4)	PM	0.33	1.45
		PM ₁₀	0.17	0.73
H20-FUG	Hunter 20 Line Process and Furnace Fugitives (4)	PM/PM ₁₀	1.80	0.40
		VOC	0.16	0.11
		NO _x	0.01	0.01
		SO ₂	0.02	0.01
		Pb	0.10	0.07
		Ni	0.02	0.01
		Cr	0.04	0.02
H32-FUG	Hunter 32 Line Process Fugitives (4)	PM/PM ₁₀	2.70	2.16
		VOC	0.14	0.34
		NO _x	0.01	0.02
		SO ₂	0.02	0.05
		Pb	0.10	0.24
		Ni	0.02	0.04
		Cr	0.04	0.09

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NOB-FUG		PM/PM ₁₀	43.50	17.29
		VOC	0.14	0.16
	No Bake Line Process	NO _x	0.01	0.01
	Fugitives (4)	SO ₂	0.02	0.02
		Pb	0.10	0.12
		Ni	0.02	0.02
		Cr	0.04	0.04
A		PM/PM ₁₀	1.71	2.39
	Hunter 20 Line Baghouse Stack-Preheaters, Electric Induction Furnace 1 and 2, Magnesium Treatment, Pouring and Cooling, Shakeout, Didion Shakeout, Sand			
B	Cooler, Reclaim Sand, New Sand Processes	PM/PM ₁₀	2.57	3.60
C	Hunter 20 Line Baghouse Stack-Grinding and Finishing, Shotblast Processes	PM/PM ₁₀	2.58	3.61
D	Hunter 32 Line Baghouse Stack-Shakeout, Didion, Shotblast, Grinding Station Processes	PM/PM ₁₀	2.57	3.60
E	No Bake Line Baghouse Stack-Magnesium Treatment, Pouring and Cooling, Shakeout, Vibramill Processes	PM/PM ₁₀	2.57	3.60

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F	Hunter 32 Line Baghouse Stack-Magnesium	PM/PM ₁₀	2.57	3.60
H	Treatment, Pouring and Cooling, Reclaim Sand, New Sand Process	PM/PM ₁₀	1.71	2.39
K	Hunter 32 Line Baghouse Stack-Sand Cooler Process	PM/PM ₁₀	1.71	2.39
	Hunter 32 Line Baghouse Stack-Grinding and Finishing, Shotblast Process			
	No Bake Line Baghouse Stack-Sand and Cooler Process			

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - Pb - lead
 - Ni - nickel
 - Cr - chromium
 - HAP - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Fugitive emissions are an estimate only.
- (5) HAPs are included in the VOC emission rate.

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Dated September 2, 2008