

Emission Sources - Maximum Allowable Emission Rates

Permit Number 214A

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)
1	Shell Core Machine U-360 Stack (1 Machine)	NO _x	0.07	0.07
		CO	0.06	0.06
		VOC	0.004	0.004
		PM	0.01	0.005
		PM ₁₀	0.01	0.005
		PM _{2.5}	0.01	0.005
		SO ₂	0.0004	0.0004
2	Isocure Core Machines Scrubber Stack (9 Machines)	NH ₃	0.63	1.89
		VOC	0.53	0.53
10A	Sandblasting Bag Filter Vent	PM	0.60	1.87
		PM ₁₀	0.60	1.87
		PM _{2.5}	0.60	1.87
10B	Core Shakeout Dust Collector Stack	PM	0.60	1.87
		PM ₁₀	0.60	1.87
		PM _{2.5}	0.60	1.87
11A	Sand Reclaimer/Calcliner Burner Baghouse Stack	NO _x	0.31	0.31
		CO	0.26	0.26
		VOC	0.02	0.02
		PM	1.66	5.13
		PM ₁₀	1.66	5.13

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		PM _{2.5}	1.66	5.13
		SO ₂	0.002	0.002
12A	Burnout Oven Burner Stack	NO _x	0.20	0.19
		CO	0.17	0.16
		VOC	0.01	0.01
		PM	0.02	0.01
		PM ₁₀	0.02	0.01
		PM _{2.5}	0.02	0.01
		SO ₂	0.001	0.001
3B	Gas Fired Melt Furnace NO.2 Stack	NO _x	0.54	0.59
		CO	0.45	0.49
		VOC	0.03	0.03
		PM	0.08	0.17
		PM ₁₀	0.08	0.17
		PM _{2.5}	0.08	0.17
		SO ₂	0.003	0.004
3C	Gas Fired Melt Furnace No. 3 Stack	NO _x	0.64	0.59
		CO	0.54	0.49
		VOC	0.04	0.03
		PM	0.10	0.19
		PM ₁₀	0.10	0.19
		PM _{2.5}	0.01	0.19
		SO ₂	0.004	0.004
3G	Gas Fired Melt Furnace No. 7 Stack	NO _x	0.54	0.59
		CO	0.45	0.49

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		VOC	0.03	0.03
		PM	0.08	0.17
		PM ₁₀	0.08	0.17
		PM _{2.5}	0.06.	0.17
		SO ₂	0.003	0.004
4	Sand Silo No. 1 Baghouse Stack	PM	0.13	0.41
		PM ₁₀	0.13	0.41
		PM _{2.5}	0.13	0.41
BLDG FUG	Building Fugitives (5)	NO _x	1.21	1.64
	Burnout Oven,	CO	1.02	1.38
	Morgan Tilter Gas	VOC	0.15	0.36
	Fired Melting	PM	0.13	0.25
	Furnace, Heat	PM ₁₀	0.13	0.25
	Treat Solution	PM _{2.5}	0.13	0.25
	Ovens A, B, and C,	SO ₂	0.008	0.01
	and Heat Treat			
	Age Oven C			

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- 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

- CO -carbon monoxide
- NH₃ - ammonia
- (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.

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(6)Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: October 17, 2013