EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5107A

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	Emission Rates TPY
ST-B6	South Foundry Muller Baghouse Stack	PM_{10}	0.52	2.28
ST-B9	South Foundry Shakeout Baghouse Stack	PM_{10}	2.57	11.26
ST-B10	South Foundry Rotary Screen Baghouse Stack	PM_{10}	0.52	2.28
ST-B15	South Foundry Sand Reclaim Baghouse Stack	PM_{10}	0.52	2.28
SFPF-B	South Foundry Pouring Flor-Mold Torch Dry No-Bake Molds(4)	VOC	10.13	42.56
OVENFUG-1	Heat Treat Oven No. 1 (4) (5)	PM_{10}	0.10	0.42
		VOC	<0.10	<0.10
		NO_X	0.80	3.50
		CO	0.17	0.74
		SO_2	<0.01	<0.01
OVENFUG-2	Heat Treat Oven No. 2 (4) (5)	PM_{10}	0.10	0.42
		VOC	<0.10	<0.10
		NO_X	0.80	3.50
		CO	0.17	0.74
		SO_2	<0.01	<0.01

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Emission Point No. (1) *	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
OVENFUG-3	Heat Treat Oven No. 3 (4) (5)	PM_{10}	0.10	0.42
		VOC	<0.10	<0.10
		NO_X	0.80	3.50
		CO	0.17	0.74
		SO_2	<0.01	<0.01
OVENFUG-4	Heat Treat Oven No. 4 (4) (5)	PM_{10}	0.10	0.42
		VOC	<0.10	<0.10
		NO_X	0.80	3.50
		CO	0.17	0.74
		SO_2	<0.01	<0.01
SHELL MOLD	Shell Mold Area (4) (5)	PM_{10}	1.04	4.51
		VOC	<0.10	0.80
		NO_X	0.22	0.93
		CO	0.05	0.19
		SO_2	<0.01	<0.01
CORE-1	Core Room (4) (5)	PM_{10}	0.19	0.83
		VOC	<0.10	2.24
		NO_X	0.22	0.93
		CO	0.05	0.19
		SO_2	<0.01	<0.01
ST-B17	34 Cu. Ft. Shot Blast Machine (5)	PM_{10}	0.26	1.13
ST-BH7	Shot Blast Machine (5)	PM_{10}	0.35	1.51
CLEAN-2	Manual and Booth Grinding Stations [10 each] (5)	PM_{10}	1.42	6.20
ST-WOOD	Pattern Shop Cyclone (5)	PM	3.60	15.77
		PM_{10}	1.80	7.88

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
BTH-1	Spray Paint Booth (5)	PM_{10}	0.62	1.28
		VOC	1.15	2.38
		non-VOC	1.59	6.99

(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, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in General Rule 101.1
non-VOC - gaseous emissions that are not considered VOC
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
(4) These emissions can exit any or all of the above stacks.
(5) These emissions are authorized by TNRCC standard exemption and emission rates are estimates.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Maximum hourly carbon steel castings production of 10 tons and a maximum annual carbon steel castings production of 18,790 tons.

Maximum usage rates of 2,700 tons per year core sand.

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

Dated_____