

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4448

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
01	North Silo/BH-1	PM	0.19	0.29
02	South Silo/BH-2	PM	0.19	0.29
03	QC300/BH-3	PM	0.03	0.04
04	Shavings/BH-4	PM	0.03	0.04
05	Weigh Hopper/BH-5	PM	0.1	0.16
06	CACO3/BH-6	PM	0.03	0.04
07	Xspheres/BH-7	PM	0.03	0.04
08	Hold Hopper/BH-8	PM	0.1	0.16
09	Zeothix/BH-9	PM	0.03	0.04
10	QC2116/BH-10	PM	0.03	0.04
12	Kolene/BH-12	PM	3.86	5.79
13	Shell/Core/BH-13	PM	2.49	3.73
17	Buffers/Finishing Area BH-17	PM VOC	1.93 21.68	2.9 15.54
24	Hexane Storage	VOC	8.48	0.07
32-39 Total	Resins and Styrene Storage	VOC	14.8	0.17

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
40	Core Cure Room Main	VOC	8.71	6.75
41	Core Cure Room Aux	VOC	1.92	1.49
42	Shell Cure Room	VOC	69.70	46.15
		CH <sub>2</sub> Cl <sub>2</sub>	14.70	13.97
51	Mold Release Separator	VOC	0.02	0.01
		Freon	26.0	5.0
53	HB Drilling/BH-53	PM	0.64	0.97
54	X-Machine/BH-54	PM	2.57	3.86
55N	Drum Storage	VOC	<0.87	<0.57
55S	Drum Storage	VOC	<0.87	<0.57
56	Acetone Storage	VOC	0.02	0.01
58	X-Area	VOC	21.29	15.45
59	Core Storage	VOC	1.22	0.95
60	Core Storage	VOC	1.22	0.95
F1 (4)	Material Transfer	PM	1.0	1.0
F2 (4)	Core Batch and Cast	PM	1.0	1.0
		VOC	39.87	34.41
F3 (4)	Core Machining	PM	1.0	1.0
F4 (4)	Shell Mold Preparation	PM	1.0	1.0
		VOC	24.31	19.63

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
F5 (4)	Shell Machining	PM	1.0	1.0
		VOC	3.84	2.76
F6 (4)	Urethane Balls	PM	1.0	1.0
		VOC	1.98	0.22
		CH <sub>2</sub> Cl <sub>2</sub>	0.30	0.29
F7 (4)	X-Area	PM	1.0	1.0
		VOC	3.87	2.77

(1) Emission point identification-Emission point numbers from plot plan.

(2) Specific point source name.

(3) PM - particulate matter

VOC - volatile organic compounds as defined in General Rule 101.1

CH<sub>2</sub>Cl<sub>2</sub> - methylene chloride

(4) These fugitive emissions are emitted from fans, vents, doors, loading docks, and windows.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or 3,000 Hrs/year

Dated \_\_\_\_\_