

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 40519

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
DC1	Die Cast Machine No. 1	VOC	0.01	0.43
DC2	Die Cast Machine No. 2	VOC	0.01	0.43
DC3	Die Cast Machine No. 3	VOC	0.01	0.43
DC4	Die Cast Machine No. 4	VOC	0.01	0.43
DC5	Die Cast Machine No. 5	VOC	0.01	0.43
BH1	Furnace Baghouse Stack (6)	PM <sub>10</sub>	0.04	0.16
B1	Melting Furnace No. 1 Burner Stack	PM <sub>10</sub>	0.04	0.17
		CO	0.42	1.84
		NO <sub>x</sub>	0.5	2.19
		SO <sub>2</sub>	0.003	0.013
		VOC	0.06	0.24
B2	Melt/Hold Furnace No. 2 Burner Stack	PM <sub>10</sub>	0.004	0.02
		SO <sub>2</sub>	<0.001	<0.002
		NO <sub>x</sub>	0.05	0.21
		CO	0.04	0.18
		VOC	0.005	0.023
B3	Melt/Hold Furnace No. 3 Burner Stack	PM <sub>10</sub>	0.004	0.02
		SO <sub>2</sub>	<0.001	<0.002
		NO <sub>x</sub>	0.05	0.21
		CO	0.04	0.18

	VOC	0.005	0.023
FUG	Building Fugitives (4 and 5) 0.38	PM	0.09

Permit No. 40519  
Page 2

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- (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 30 Texas Administrative Code Section 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.
  - PM<sub>10</sub> - 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.
  - CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.
- (5) Includes emissions from shot blast machine
- (6) Includes emissions from Melting Furnace No. 1, Melting/Holding Furnace No. 2, and Melting/Holding Furnace No. 3

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

24 Hrs/day 7 Days/week 52 Weeks/year or    Hrs/year

<u>Furnace Type</u> <u>Annual Throughput</u>	<u>Maximum Hourly Throughput</u>	<u>Maximum</u>
Melting Furnace No. 1	1.2 Tons	10,500 Tons
Melting/Holding Furnace 2	0.33 Tons	2,890 Tons
Melting/Holding Furnace 3	0.33 Tons	2,890 Tons

Die Cast Machine Mold Release Agent Usage

Maximum Annual Usage: 600 gallons

Dated\_\_\_\_\_