

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 48501

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
MELTFURN	Melting Furnace Stack (6)	NO <sub>x</sub>	3.60	15.77
		CO	0.56	2.45
		SO <sub>2</sub>	<0.03	0.11
		PM <sub>10</sub>	5.24	22.96
		VOC	(5)	(5)
		D/F	(5)	(5)
		HCl	(5)	(5)
HOLDFURN	Holding Furnace Stack (6)	NO <sub>x</sub>	1.60	7.01
		CO	0.80	3.50
		SO <sub>2</sub>	0.012	<0.05
		PM <sub>10</sub>	0.70	3.07
		VOC	(5)	(5)
		D/F	(5)	(5)
		HCl	(5)	(5)
HOMOGFURN	Homogenizing Furnace Stack	NO <sub>x</sub>	1.23	5.38
		CO	0.61	2.69
		SO <sub>2</sub>	<0.01	<0.02
		PM <sub>10</sub>	0.06	0.27
		VOC	<0.04	0.19
CYC	Billet Cut Off Saw Cyclone Stack	VOC	0.31	1.37
		PM <sub>10</sub>	0.25	1.07
CTWR	Cooling Tower	PM <sub>10</sub>	0.07	0.31

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AIR CONTAMINANTS DATA

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

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
DIESEL	Diesel Tank and Fueling (4)	VOC	<0.02	<0.01
BAGFILTER	Bagfilter Stack (6)	PM <sub>10</sub>	3.43	15.02
		VOC (5)	(5)	
		D/F (5)	(5)	
		HCl (5)	(5)	
BLDGFUG 1	Casting Operations (4 and 6)	PM <sub>10</sub>	0.31	1.27
		VOC (5)	(5)	
		D/F (5)	(5)	
		HCl (5)	(5)	
BLDGFUG 2	Dross Handling (4 and 6)	PM <sub>10</sub>	0.22	0.79
CAP	Painted Scrap Emissions Cap	HCl (5)	4.63	8.45
(MELTFURN, HOLDFURN, CASTFUG, and BAGFILTER)		D/F (5)	0.0000015	<0.000003
		VOC (5)	1.14	2.93

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM<sub>10</sub> - particulate matter (PM) 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

HCl - hydrogen chloride

D/F - dioxins and furans

(4) Fugitive emissions are an estimate only.

(5) Total plant wide emissions of the compound from all sources shall not exceed the CAP value shown at EPN CAP.

- (6) Hazardous Air Pollutant (HAP) emissions included in PM and VOC values. Speciated HAPs and HAP emission rates are reflected in permit file.

Permit Number 48501  
Page 4

#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

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

Melting Furnace Maximum Allowable Throughput:

- A. 49.5 tons of aluminum per charge and 10 charges per 24-hour period
- B. 180, 675 tons of aluminum per year

- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated December 7, 2001