

# 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, 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 (7)	
			lbs/hour	TPY (4)
MELTFURN	Melting Furnace Stack (6)	NO <sub>x</sub>	14.91	34.34
		CO	13.12	30.20
		PM	4.34	10.00
		PM <sub>10</sub>	4.34	10.00
		PM <sub>2.5</sub>	4.34	10.00
		SO <sub>2</sub>	1.62	3.72
		VOC	4.42	10.18
		D/F	7.50E-07	8.00E-07
		HCl	4.03	9.27
BH2	Melting Furnace Baghouse Stack (6)	NO <sub>x</sub>	14.91	34.34
		CO	13.12	30.20
		PM	3.43	7.89
		PM <sub>10</sub>	3.43	7.89
		PM <sub>2.5</sub>	3.43	7.89
		SO <sub>2</sub>	1.62	3.72
		VOC	4.42	10.18
		D/F	7.50E-07	8.00E-07
		HCl	4.03	9.27
MELTFURN and BH2 CAP	Melting Furnace Stack and Melting Furnace Baghouse Stack (6)	NO <sub>x</sub>	14.91	34.34
		CO	13.12	30.20
		PM	4.34	10.00
		PM <sub>10</sub>	4.34	10.00
		PM <sub>2.5</sub>	4.34	10.00
		SO <sub>2</sub>	1.62	3.72
		VOC	4.42	10.18

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HOLDFURN	Holding Furnace Stack (6)	D/F	7.50E--07	8.00E-07
		HCl	4.03	9.27
		NO <sub>x</sub>	4.67	10.76
		CO	1.22	2.81
		PM	3.80	9.03
		PM <sub>10</sub>	3.80	9.03
		PM <sub>2.5</sub>	3.80	9.03
		SO <sub>2</sub>	1.58	3.64
		VOC	0.97	2.23
		D/F	7.50 E-07	8.00E-07
		HCl	0.29	0.66
BH1	Holding Furnace, Dross Press, and Dross Truck Loadout Baghouse Stack (6)	NO <sub>x</sub>	4.67	10.76
		CO	1.22	2.81
		PM	3.43	7.89
		PM <sub>10</sub>	3.43	7.89
		PM <sub>2.5</sub>	3.43	7.89
		SO <sub>2</sub>	1.58	3.64
		VOC	0.97	2.23
		D/F	7.50 E-07	8.00E-07
		HCl	0.29	0.66

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HOLDFURN and BH1 CAP	Holding Furnace Stack and Holding Furnace, Dross Press, and Dross Truck Loadout Baghouse Stack (6)	NO <sub>x</sub>	4.67	10.76
		CO	1.22	2.81
		PM	3.80	9.03
		PM <sub>10</sub>	3.80	9.03
		PM <sub>2.5</sub>	3.80	9.03
		SO <sub>2</sub>	1.58	3.64
		VOC	0.97	2.23
		D/F	7.50E-07	8.00E-07
		HCl	0.29	0.66
HOMOGFURN	Homogenizing Furnace Stack	NO <sub>x</sub>	2.00	8.74
		CO	1.00	4.37
		PM	0.10	0.43
		PM <sub>10</sub>	0.10	0.43
		PM <sub>2.5</sub>	0.10	0.43
		SO <sub>2</sub>	<0.01	0.03
		VOC	0.07	0.31
CYC	Billet Cut Off Saw Cyclone Stack	PM	0.05	0.23
		PM <sub>10</sub>	0.05	0.23
		PM <sub>2.5</sub>	0.05	0.23
		VOC	0.31	1.37
CTWR	Cooling Tower	PM	0.39	1.69
		PM <sub>10</sub>	0.39	1.69
		PM <sub>2.5</sub>	0.39	1.69
DIESEL	Diesel Tank Vent and Vehicle Fueling Emissions (5)	VOC	0.02	<0.01
BLDGFUG1	Building Fugitives (5)	PM	0.08	0.19
		PM <sub>10</sub>	0.08	0.19
		PM <sub>2.5</sub>	0.08	0.19

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CMCLEAN	Ceramic Media Cleaning	PM	0.02	<0.01
		PM <sub>10</sub>	0.02	<0.01
		PM <sub>2.5</sub>	0.02	<0.01
SCRPYRD	Scrap Yard (5)	PM	1.57	6.87
		PM <sub>10</sub>	1.57	6.87
		PM <sub>2.5</sub>	1.57	6.87
BLDGFUG2	Building Fugitives (5)	PM	0.22	0.58
		PM <sub>10</sub>	0.22	0.58
		PM <sub>2.5</sub>	0.22	0.58

- (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<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide  
 HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C  
 HCl - hydrogen chloride  
 D/F - dioxins and furans
- (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.
- (6) HAP emissions included in particulate matter and VOC values. Speciated HAPs and HAP emission rates are reflected in permit file.
- (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit and will need separate authorization unless the activity can meet the conditions of 30 TAC 116.119.

Date: July 17, 2014