

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	
			lbs/hour	TPY (4)
MELTFURN	Melting Furnace Stack (6)(7)	NO _x	3.49	10.04
		CO	3.07	8.83
		PM	2.24	6.46
		PM ₁₀	2.24	6.46
		PM _{2.5}	2.24	6.46
		SO ₂	0.38	1.09
		VOC	1.03	2.98
		D/F	8.0E-09	4.4E-08
		HCl	1.24	3.57
HOLDFURN	Holding Furnace Stack (6)(7)	NO _x	0.90	2.60
		CO	0.24	0.68
		PM	0.37	1.06
		PM ₁₀	0.37	1.06
		PM _{2.5}	0.37	1.06
		SO ₂	0.31	0.88
		VOC	0.19	0.54
		D/F	1.6E-09	8.5E-09
		HCl	<0.01	0.01
HOMOGFURN	Homogenizing Furnace Stack	NO _x	2.00	8.74
		CO	1.00	4.37
		PM	0.10	0.43
		PM ₁₀	0.10	0.43
		PM _{2.5}	0.10	0.43
		SO ₂	<0.01	0.03
		VOC	0.07	0.31

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BH1	Holding Furnace, Dross Press, and Dross Truck Loadout Baghouse Stack (6) (7)	NO _x	2.83	8.16
		CO	0.74	2.13
		PM	2.35	9.22
		PM ₁₀	2.35	9.22
		PM _{2.5}	2.35	9.22
		SO ₂	0.96	2.76
		VOC	0.59	1.69
		D/F	4.9E-09	2.7E-08
		HCl	0.01	0.04
BH2	Melting Furnace Baghouse Stack (6) (7)	NO _x	8.44	24.30
		CO	7.42	21.37
		PM	1.06	3.54
		PM ₁₀	1.06	3.54
		PM _{2.5}	1.06	3.54
		SO ₂	0.92	2.63
		VOC	2.50	7.20
		D/F	1.9E-08	1.1E-07
		HCl	3.00	8.64
CYC	Billet Cut Off Saw Cyclone Stack	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
		VOC	0.31	1.37
CTWR	Cooling Tower	PM	0.39	1.69
		PM ₁₀	0.39	1.69
		PM _{2.5}	0.39	1.69
DIESEL	Diesel Tank (5)	VOC	0.02	<0.01
BLDGFUG1	Building Fugitives (5)	PM	0.07	0.19

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		PM ₁₀	0.07	0.19
		PM _{2.5}	0.07	0.19
CMCLEAN	Ceramic Media Cleaning	PM	0.02	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
SCRPYRD	Scrap Yard (5)	PM	1.57	6.87
		PM ₁₀	1.57	6.87
		PM _{2.5}	1.57	6.87
BLDGFUG2	Building Fugitives (5)	PM	0.22	0.58
		PM ₁₀	0.22	0.58
		PM _{2.5}	0.22	0.58
CAP	Painted Scrap Emissions Cap	NO _x	-	36.08
		CO	-	26.41
		PM	-	16.37
		PM ₁₀	-	16.37
		PM _{2.5}	-	16.37
		SO ₂	-	5.89
		VOC	-	9.93
		D/F	-	1.5E-07
		HCl	-	9.82

- (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_x - total oxides of nitrogen
SO₂ - sulfur dioxide

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- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - 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) Total plant wide annual emissions of the compound from identified sources shall not exceed the CAP value shown at Emission Point No. CAP.
 - (7) HAP emissions included in particulate matter and VOC values. Speciated HAPs and HAP emission rates are reflected in permit file.

Date: April 26, 2012