Emission Sources - Maximum Allowable Emission Rates

Permit Number 169574

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 (6)	
			lbs/hour	TPY (4)
FTP-1 (Routine)	Melt Shop Electric Arc Furnace Baghouse (Routine Emissions)	NO_X	14.91	53.00
		CO	196.91	700.00
		SO_2	29.54	105.00
		VOC	14.77	52.50
		PM	5.91	21.00
		PM_{10}	9.28	33.00
		$PM_{2.5}$	9.28	33.00
		Pb	0.02	0.08
		F	2.90	10.33
FTP-1 (MSS)	Melt Shop Electric Arc Furnace Baghouse (MSS Emissions)	NO_X	18.99	-
		CO	221.52	-
		SO_2	31.79	-
		VOC	18.99	-
		PM	5.91	-
		PM_{10}	9.28	-
		$PM_{2.5}$	9.28	-
		Pb	0.02	-
		F	2.90	-
MELTGEN	Melt Shop General	NO_X	0.05	0.17
		CO	0.26	0.92
		SO_2	0.03	0.09
		VOC	0.02	0.08
		PM	0.25	0.87
		PM_{10}	0.23	0.83

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		$PM_{2.5}$	0.23	0.83
		Pb	<0.01	0.01
		F	<0.01	0.01
CASTVENT	Caster Vent Emissions	PM	4.92	17.50
		PM_{10}	3.89	13.85
		$PM_{2.5}$	3.05	10.86
CASTSPRAY	Caster Spray Chamber	PM	0.50	1.78
		PM_{10}	0.14	0.48
		$PM_{2.5}$	0.02	0.06
ROLLING	Rolling Mill	PM	1.07	3.80
		PM_{10}	1.13	4.01
		$PM_{2.5}$	0.44	1.56
		Pb	<0.01	<0.01
		F	<0.01	0.01
SCRAPLOAD	Scrap Loading and Handling	PM	1.73	24.64
		PM_{10}	0.85	12.04
		$PM_{2.5}$	0.32	4.48
SLAG	Slag Disposal	PM	0.22	0.96
		PM_{10}	0.13	0.57
		$PM_{2.5}$	0.32	4.48
LADLEHEAT	Ladle Horizontal Preheater	NOx	2.50	6.39
		CO	2.06	5.26
		SO2	0.02	0.04
		VOC	0.14	0.34
		PM	0.05	0.12
		PM_{10}	0.05	0.12
		$PM_{2.5}$	0.05	0.12
Ladle Dryer	Ladle Vertical Dryer	NOx	2.50	6.39
		CO	2.06	5.26

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		SO2	0.02	0.04
		VOC	0.14	0.34
		PM	0.05	0.12
		PM_{10}	0.05	0.12
		$PM_{2.5}$	0.05	0.12
CCMEXIT	Service Cutting Torches	NOx	0.13	0.10
		CO	0.11	0.08
		SO2	<0.01	<0.01
		VOC	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TUNDDRYER	Tundish Drying Station	NOx	0.47	0.55
		CO	0.38	0.45
		SO2	<0.01	<0.01
		VOC	0.03	0.03
		PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
TUNDHEAT	Tundish Preheating Station	NOx	0.93	0.51
		CO	0.77	0.42
		SO2	<0.01	<0.01
		VOC	0.05	0.03
		PM	0.02	0.01
		PM_{10}	0.02	0.01
		$PM_{2.5}$	0.02	0.01
ENG-1	Emergency Generator	NOx	8.50	0.43
		CO	2.85	0.14
		SO2	1.03	0.05

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		VOC	8.50	0.43
		PM	0.17	<0.01
		PM_{10}	0.17	<0.01
		$PM_{2.5}$	0.17	<0.01
COOLTOWER	Cooling Tower	VOC	0.24	1.05
		PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10
		Total HAPs	---	<25

(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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
Pb - lead
F - fluorides
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
(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) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: DRAFT