EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 19933 and PSDTX1204

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*
BH-1A and B	Baghouse 1 Stacks A and B EAF 1 and Ladle Lancing	Total PM/PM_{10} (5)	8.07	35.36
		VOC	38.97	-
		NO_x	35.06	-
		CO Pre Mod (6)	659.00	-
		CO Post Mod (7)	427.68	-
		SO_2	31.36	-
		Cd	<0.01	0.02
		Cr	0.01	0.05
		Ni	<0.01	0.01
		Pb	0.14	0.62
		Mn	0.13	0.55
		Zn	1.65	7.23
BH-2A and B	Baghouse 2 Stacks A and B EAF 2	Total PM/PM_{10} (5)	14.15	61.96
		VOC	38.97	-
		NO_x	34.93	-
		CO Pre Mod (6)	659.00	-
		CO Post Mod (7)	427.68	-
		SO_2	31.36	-
		Cd	0.01	0.03
		Cr	0.02	0.09
		Ni	0.003	0.02
		Pb	0.25	1.09
		Mn	0.22	0.97
		Zn	2.89	12.68

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BH-1A and B; and BH-2A and B	Baghouse 1 and 2 Emission Cap for Both EPNs	VOC	-	129.89
		NO_x	-	116.42
		CO Pre Mod (6)	-	2352.24
		CO Post Mod (7)	-	1425.60
		SO_2	-	104.54
LADLANFUG	Ladle Lancing (4)	Total PM	0.0002	0.001
		PM_{10}	0.0002	0.001
		VOC	<0.01	<0.01
		NO_x	0.03	0.14
		CO	<0.01	<0.01
		SO_2	<0.01	<0.001
LDLHTRFUG	4 Ladle Heaters (4)	Total PM	0.23	0.65
		PM_{10}	0.06	0.16
		VOC	0.17	0.47
		NO_x	3.04	8.59
		CO	2.55	7.21
		SO_2	0.02	0.05
LIMESILO	Lime Silo Filter Stack	Total PM/PM_{10}	0.51	1.72
BALLFUG	Ball Mill Building (4) Fugitives 1 Hardening Furnace, 1 Tempering Furnace, and Ball Mill Reheat Furnace	Total PM	0.36	1.28
		PM_{10}	0.09	0.32
		VOC	0.26	0.92
		NO_x	4.74	16.82
		CO	3.98	14.13
		SO_2	0.03	0.10
EAFBLDGFUG	EAF Building Fugitives (4) EAF 1, EAF 2, Caster, and Tundish	Total PM (5)	0.26	0.45
		PM_{10} (5)	0.23	0.38
		VOC	0.02	0.06

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	Heater	NO_x	2.54	8.58
		CO	0.28	0.76
		SO_2	0.01	0.03
		Cd	<0.01	<0.01
		Cr	<0.01	<0.01
		Ni	<0.01	<0.01
		Pb	<0.01	0.02
		Mn	<0.01	0.01
		Zn	0.06	0.18
CASTORCH	Caster Torches	Total PM	0.02	0.09
		PM_{10}	0.01	0.02
		VOC	0.02	0.07
		NO_x	0.27	1.20
		CO	0.23	1.01
		SO_2	<0.01	<0.01
MILLFUG	Mill Reheat Furnace (4) Fugitives	Total PM	<0.01	0.04
		PM_{10}	<0.01	0.01
		VOC	<0.01	0.03
		NO_x	0.36	1.35
		CO	0.11	0.40
		SO_2	<0.01	<0.01
MRFSTK	Mill Billet Reheat Stack Billet Reheat Furnace	Total PM	0.96	3.62
		PM_{10}	0.24	0.91
		VOC	0.69	2.62
		NO_x	35.33	133.54
		CO	10.60	40.06
		SO_2	0.08	0.29
SCRAPLOAD	Scrap Metal Loading and Handling Fugitives	Total PM	0.84	2.82
		PM_{10}	0.41	1.38
SLAG CAP	Total Slag Emissions-CAP Slag South Disposal Area, Slag Landfill Disposal Area, and Slag North Disposal Area	Total PM	0.70	2.32
		PM_{10}	0.35	1.16
		Pb	0.0007	0.0023

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MELTSHOPCT	Melt Shop Cooling Tower	Total PM	0.63	2.76
		PM_{10}	0.31	1.38
ROLLMILLCT	Rolling Mill Cooling Tower	Total PM	0.88	3.86
		PM_{10}	0.44	1.92
BALLMILLCT	Ball Mill Cooling Tower	Total PM	0.12	0.53
		PM_{10}	0.08	0.37
ALL	All Sources	Any HAP		<10.00
		All HAPS		<25.00

(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 § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter equal to or less than 10 microns in diameter
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Cd - cadmium
Cr - chromium
Ni - nickel
Pb - lead
Mn - manganese
Zn - zinc
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) Fugitive emissions are an estimate only.
(5) Speciated metals/HAPs are included in the PM/PM_{10} values.
(6) Pre Mod refers to current EAF exhaust system configuration.
(7) Post Mod refers to the EAF exhaust system configuration following modifications to improve capture and reduce CO emissions.

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