EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name	Air Contaminant Name	Emission Rates * lb/hr	TPY

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 53581 and PSD-TX-1029

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
BAGHSEAF	EAF Baghouse Stack	PM/PM_{10} (total)	41.70	182.64
		PM/PM_{10} (filterable)	25.66	100.59
		NO_x	72.00	193.30
		CO	480.00	1288.66
		SO_2	84.00	225.52
		VOC	102.48	275.13
		Benzene	0.50	2.19
		Pb	0.87	2.61
		Sb	0.0056	0.014
		As	0.015	0.042
		Be	0.00071	0.00032
		Cd	0.044	0.079
		Cr	0.19	0.56
		Cu	0.20	0.65
		Mn	0.76	2.7
		Hg	0.00027	0.00052
		Ni	0.016	0.058
		Se	0.022	0.095
		Ag	0.0091	0.0097
		Tl	0.029	0.11
		V	0.065	0.20
		Zn	13.00	41.00
BAGHSELMF	LMF/Caster Baghouse Stack	PM/PM_{10} (total)	13.90	60.88

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Emission Point No. (1)	Source Name	Air Contaminant Name	Emission Rates * lb/hr	Emission Rates * TPY
		PM/PM_{10} (filterable)	8.55	33.53
		NO_x	143.52	385.31
		CO	57.89	155.41
		SO_2	337.68	906.58
		VOC	1.44	3.87
		Pb	0.012	0.05
		Sb	0.00060	0.26
		As	0.00061	0.0027
		Be	0.00019	0.00083
		Cd	0.0068	0.030
		Cr	0.073	0.32
		Cu	0.027	0.12
		Mn	0.52	2.3
		Hg	0.0000088	0.000038
		Ni	0.0098	0.043
		Se	0.0012	0.0051
		Ag	0.000092	0.00040
		Tl	0.00044	0.0019
		V	0.0053	0.023
		Zn	0.096	0.42
CASTERVENT	West LMF/Caster Building Vents - Ladle Preheaters, Tundish Burners, Reline Preheaters, Tundish Dryers, LMF Preheaters	PM/PM_{10}	11.40	24.62
		NO_x	3.43	11.00
		CO	2.88	9.24
		SO_2	0.02	0.07
		VOC	0.19	0.61
		Lead	0.05	0.098
RUNOUTVENT	Billet Caster Runout Building Vents - Autotorch	PM/PM_{10}	4.94	9.93
		NO_x	0.09	2.04
		CO	0.08	1.71
		SO_2	<0.01	0.01
		VOC	0.01	0.11
		Lead	0.0001	0.0001
BILLVENT	North Billet Bay Building Vents	PM/PM_{10}	23.07	53.64
		Lead	0.0003	0.001
RMBLDGVENT	Rolling Mill Building Vents	PM/PM_{10}	22.24	68.79

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name	Air Contaminant Name	Emission Rates * lb/hr	TPY
		Lead	0.0002	0.001
REHEATXI	Texas I Reheat Station (5)	PM/PM_{10}	1.35	5.91
		NO_x	16.29	71.35
		CO	14.91	65.29
		SO_2	0.11	0.47
		VOC	0.98	4.28
REHEATXII	Texas II Reheat Station (5)	PM/PM_{10}	1.56	6.85
		NO_x	18.90	82.78
		CO	17.29	75.75
		SO_2	0.12	0.54
		VOC	1.13	4.96
SLAGDUMP	Slag Pot Dump Pile (4)	PM	0.38	1.16
		PM_{10}	0.18	0.56
		Lead	0.0004	0.001
SLAGPROC	Slag/Mill Scale Processing (4)	PM	1.13	1.12
		PM_{10}	0.54	0.54
		Lead	0.001	0.001
FUGLANCE	Outdoor Scrap Lancing (4)	PM/PM_{10}	0.13	0.20
TEAROUT	Ladle Tearout and Tundish Dump(4)	PM	0.31	0.82
		PM_{10}	0.14	0.39
		Lead	0.0003	0.0009
CLEANOUT	EAF Drop Out Box and Spray Chamber Clean-out (4)	PM	0.55	0.05
		PM_{10}	0.26	0.02
		Lead	0.019	0.001
ALLOYDUMP	Alloy Truck Dump (4)	PM	0.01	<0.01
		PM_{10}	<0.01	<0.01
ALLOYBUNKR	Alloy Storage Bunker (4)	PM	0.02	0.10
		PM_{10}	0.01	0.05
LIMESILO	Texas I Lime Storage Bin Vent	PM/PM_{10}	0.01	0.001

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name	Air Contaminant Name	Emission Rates * lb/hr	Emission Rates * TPY
DOLOSILO	Texas I Dolomite Storage Bin Vent	PM/PM_{10}	0.01	0.001
LIMEBIN1	Lime Silo #1 Bin Vent	PM/PM_{10}	0.01	0.001
LIMEBIN2	Lime Silo #2 Bin Vent	PM/PM_{10}	0.01	0.001
DOLOBIN1	Dolomite Silo #1 Bin Vent	PM/PM_{10}	0.01	0.001
DOLOBIN2	Dolomite Silo #2 Bin Vent	PM/PM_{10}	0.01	0.001
SPARBIN	Spar/Lime Silo Bin Vent	PM/PM_{10}	0.01	0.002
CARBONBIN	Carbon Silo Bin Vent	PM/PM_{10}	0.01	0.001
TRANSPORT	Transport Vessel Bin Vent	PM/PM_{10}	0.29	1.28
SCALPITXI	Texas I Mill Scale Clean Out (4)	PM	0.83	0.17
		PM_{10}	0.39	0.08
		Lead	0.00001	0.000002
SCALPITXII	Texas II Mill Scale Clean Out (4)	PM	0.83	0.17
		PM_{10}	0.39	0.08
		Lead	0.00001	0.000002
SCALPITCST	Caster Mill Scale Clean Out (4)	PM	0.83	0.17
		PM_{10}	0.39	0.08
		Lead	0.00001	0.000002
CASTSPRAYW	Caster Spray Chamber West Exhaust	PM/PM_{10}	0.02	0.08
CASTSPRAYE	Caster Spray Chamber East Exhaust	PM/PM_{10}	0.02	0.08
CWTCCRMI	Texas I Contact Cooling Tower	PM/PM_{10}	0.28	1.21
CWTNCRMI	Texas I Non-contact Cooling Tower	PM/PM_{10}	0.28	1.21
NCPONDRMI	Texas I Cooling Water Pond	PM/PM_{10}	0.23	1.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name	Air Contaminant Name	Emission Rates * lb/hr	Emission Rates * TPY
CWTCCRMII	Texas II Contact Cooling Tower	PM/PM_{10}	0.41	1.81
CWTNCRMII	Texas II Non-contact Cooling Tower	PM/PM_{10}	0.28	1.21
NCPONDRMII	Texas II Cooling Water Pond	PM/PM_{10}	0.31	1.36
CWTCCCSTR	Contact Caster Cooling Tower	PM/PM_{10}	0.41	1.81
CWTNCCSTR	Non-contact Caster Cooling Tower	PM/PM_{10}	0.28	1.21
CWTCHILLER	Texas II Chiller Tower	PM/PM_{10}	0.17	0.75
CWTNCMS	New Melt Shop Cooling Tower	PM/PM_{10}	0.55	2.41
SCRAPSTGPR	Scrap Unloading Area Primary (4)	PM	0.83	0.89
		PM_{10}	0.40	0.44
		Lead	0.002	0.002
SCRAPSTGN	Scrap Storage Area North (4)	PM	2.10	3.69
		PM_{10}	1.01	1.83
		Lead	0.004	0.007
SCRAPSTGS	Scrap Storage Area South (4)	PM	2.54	5.61
		PM_{10}	1.23	2.79
		Lead	0.005	0.011
SCRAPTRKW	Scrap Truck Dump West (4)	PM	0.19	0.63
		PM_{10}	0.09	0.30
		Lead	0.0004	0.001
SCRAPTRKE	Scrap Truck Dump East (4)	PM	0.19	0.63
		PM_{10}	0.09	0.30
		Lead	0.0004	0.001
SCRAPSTGNW	Scrap Storage Area Northwest (4)	PM	0.98	1.53
		PM_{10}	0.47	0.76
		Lead	0.002	0.003
LANDFILL	Non-hazardous Landfill Area (4)	PM	0.36	1.17

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name	Air Contaminant Name	Emission Rates * lb/hr	Emission Rates * TPY
		PM_{10}	0.18	0.58
CAMU	Corrective Action Management Unit (4)	PM	0.56	2.03
		PM_{10}	0.28	1.02
		Lead	0.02	0.047
FUELLOCOD	Locomotive Fueling Station Diesel Tank	VOC	<0.01	<0.01
FUELSLAGD1	Slag Fueling Station Diesel Tank #1	VOC	<0.01	<0.01
FUELSLAGD2	Slag Fueling Station Diesel Tank #2	VOC	<0.01	<0.01
FUELSLAGG	Slag Fueling Station Gasoline Tank	VOC	0.11	0.60
FUELMSD	Melt Shop Fueling Station Diesel Tank	VOC	<0.01	<0.01
FUELMSG	Melt Shop Fueling Station Gasoline Tank	VOC	0.18	0.42
FUELLUBEG	Lube Fueling Station Gasoline Tank	VOC	0.18	0.42
FUGEAF	EAF Building Fugitives (4)	PM	7.43	19.94
		PM_{10}	4.31	11.57
		NO_x	<0.01	0.01
		CO	0.11	0.29
		SO_2	<0.01	0.01
		VOC	<0.01	0.01
		Lead	0.25	0.463
FUGLMF	LMF/Caster Building Fugitives (4)	PM	6.54	17.56
		PM_{10}	3.79	10.18
		NO_x	2.24	6.03
		CO	1.33	3.57

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SO_2	4.22	11.33
VOC	0.04	0.10
Lead	0.01	0.03

(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) PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter 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
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code 101.1
Pb - lead
Sb - antimony
As - arsenic
Be - beryllium
Cd - cadmium
Cr - chromium
Cu - copper
Mn - manganese
Hg - mercury
Ni - nickel
Se - selenium
Ag - silver
Tl - thallium
V - vanadium
Zn - zinc
(4) Fugitives are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Until new or retrofitted low NO_X reheat furnaces are installed, refer to Permit No. 2430/PSD-TX-128 (EPNs 13 and 24) for maximum allowable emission rates.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES