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
BAGHSMS	Meltshop Baghouse Stack - EAF, LMF, Caster	PM/PM_{10} (total)	55.55	243.31
		PM/PM_{10} (filterable)	34.21	149.86
		NO_x	215.52	578.61
		CO	537.89	1444.08
		SO_2	421.68	1132.09
		VOC	103.92	279.00
		Benzene	1.00	4.38
		Pb	0.88	2.70
		Sb	0.0062	0.27
		As	0.015	0.045
		Be	0.0009	0.00115
		Cd	0.051	0.109
		Cr	0.26	0.88
		Cu	0.23	0.77
		Mn	1.28	5.0
		Hg	0.00028	0.00056
		Ni	0.026	0.101
		Se	0.023	0.100
		Ag	0.0092	0.0101
		Tl	0.029	0.11
		V	0.070	0.22
		Zn	13.10	41.40
CASTERVENT	West LMF/Caster Building Vents - Ladle Preheaters, Tundish Burners, Reline Preheaters, Tundish Dryers, LMF Preheaters	PM/PM_{10}	11.63	25.78
		NO_x	6.36	26.26
		CO	5.34	22.06
		SO_2	0.04	0.16
		VOC	0.35	1.44
		Pb	0.05	0.10

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
RUNOUTVENT	Billet Caster Runout Building Vents - Autotorch	PM/PM_{10}	4.94	9.90
		NO_x	0.09	1.68
		CO	0.08	1.41
		SO_2	<0.01	0.01
		VOC	0.01	0.09
		Pb	0.0001	0.0001
ENT	North Billet Bay Building Vents	PM/PM_{10}	23.07	53.64
		Pb	0.0003	0.001
DGVENT	Rolling Mill Building Vents	PM/PM_{10}	22.24	68.79
		Pb	0.0002	0.001
ATXI	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
ATXII	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
		Pb	0.0004	0.001
SLAGPROC	Slag/Mill Scale Processing (4)	PM	1.13	1.12
		PM_{10}	0.54	0.54
		Pb	0.001	0.001
FUGLANCE	Outdoor Scrap Lancing (4)	PM/PM_{10}	0.13	0.20
TEAROUT	Ladle Tearout and Tundish	PM	0.31	0.82

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Dump (4)	PM_{10}	0.14	0.39	
	Pb	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
		Pb	0.019	0.001
ALLOYDUMP	Alloy Truck Dump (4)	PM	0.04	<0.01
		PM_{10}	0.02	<0.01
ALLOYBUNKR	Alloy Storage Bunker (4)	PM	0.04	0.16
		PM_{10}	0.02	0.08
DOLOSILO	Texas I Dolomite Storage Bin Vent	PM/PM_{10}	0.03	0.006
LIMEBIN1	Lime Silo No. 1 Bin Vent	PM/PM_{10}	0.01	0.001
LIMEBIN2	Lime Silo No. 2 Bin Vent	PM/PM_{10}	0.01	0.001
DOLOBIN1	Dolomite Silo No. 1 Bin Vent	PM/PM_{10}	0.01	0.001
CARBONBIN	Carbon Silo Bin Vent	PM/PM_{10}	0.01	0.002
CARBONBIN2	Carbon Silo No. 2 Bin Vent	PM/PM_{10}	<0.01	0.001
CARBONSILO	Carbon Storage Bin Vent	PM/PM_{10}	0.03	0.01
SCALPITXI	Texas I Mill Scale Clean Out (4)	PM	0.62	0.13
		PM_{10}	0.29	0.06
		Pb	0.000007	0.000001
SCALPITXII	Texas II Mill Scale Clean Out (4)	PM	0.62	0.13
		PM_{10}	0.29	0.06
		Pb	0.000007	0.000001
SCALPITCST	Caster Mill Scale Clean Out (4)	PM	0.62	0.13
		PM_{10}	0.29	0.06

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		Pb	0.000007	0.000001
SCALPITRM	Roll Mill Scale Clean Out (4)	PM	0.62	0.13
		PM_{10}	0.29	0.06
		Pb	0.000007	0.000001
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}	0.10	0.41
CWTNCRMI	Texas I Non-Contact Cooling Tower	PM/PM_{10}	0.28	1.21
CWTNCRMI2	Texas I Non-Contact Cooling Tower 2	PM/PM_{10}	0.06	0.27
NCPONDRMI	Texas I Cooling Water Pond	PM/PM_{10}	0.23	1.03
CWTCHILLER	Texas II Chiller Tower	PM/PM_{10}	0.17	0.75
CWTNCMS	New Melt Shop Cooling Tower	PM/PM_{10}	0.30	1.33
SCRAPSTGPR	Scrap Unloading Area Primary (4)	PM	0.83	0.89
		PM_{10}	0.40	0.44
		Pb	0.002	0.002
SCRAPSTGN	Scrap Storage Area North (4)	PM	2.10	3.69
		PM_{10}	1.01	1.83
		Pb	0.004	0.007
SCRAPSTGS	Scrap Storage Area South (4)	PM	1.66	1.78
		PM_{10}	0.79	0.88
		Pb	0.003	0.003

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
SCRAPTRKW	Scrap Truck Dump West (4)	PM	0.19	0.63
		PM_{10}	0.09	0.30
		Pb	0.0004	0.001
SCRAPTRKE	Scrap Truck Dump East (4)	PM	0.19	0.63
		PM_{10}	0.09	0.30
		Pb	0.0004	0.001
SCRAPSTGNW	Scrap Storage Area Northwest (4)	PM	0.98	1.53
		PM_{10}	0.47	0.76
		Pb	0.002	0.003
LANDFILL	Non-hazardous Landfill Area (4)	PM	0.71	2.70
		PM_{10}	0.35	1.35
CAMU	Corrective Action Management Unit (4)	PM	0.64	2.38
		PM_{10}	0.32	1.19
		Pb	0.02	0.055
FUELLOCOD	Locomotive Fueling Station Diesel Tank	VOC	<0.01	<0.01
FUELSLAGD1	Slag Fueling Station Diesel Tank No. 1	VOC	<0.01	<0.01
FUELSLAGD2	Slag Fueling Station Diesel Tank No. 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	VOC	0.18	0.42

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	Gasoline Tank			
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
		Pb	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
		SO_2	4.22	11.33
		VOC	0.04	0.10
		Pb	0.01	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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 Title 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 Numbers 2430 and PSD-TX-128 (EPNs 13 and 24) for maximum allowable emission rates.

Dated December 29, 2003