Permit No. 8097/PSD-TX-138M5

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.

Emission	Source	Air Contaminant	Emission F	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
01	Maltahan Overhead Ca	2001	DM	13.0
01	Meltshop Overhead Car 51.8	пору	PM_{10}	13.0
	Hoods Baghouse "A"	CO	72.5	289.9
	Stack (Positive Pro	essure	NO_X	3.9
	Baghouse) (6)	SO_2	3.9	15.6
	3 , , ,	VOC	27.1	108.3
		Pb	0.036	0.14
		Hg	0.0024	0.0098
		Cr	0.00089	0.0036
		Cd	0.0013	0.0053
02A	Bar Mill Reheat	PM_{10}	1.19	5.20
	Furnace (7) (Permit No. 1635)	NO_X	24.95	109.27
		CO	2.20	9.63
		SO_2	0.07	0.31
		VOC	0.53	2.34
04A	Meltshop Roof Monito	r PM ₁₀	10.5	42.0
	Monovent "A"	CO	5.2	20.7
		NO_X	0.28	1.12
		SO_2	0.28	1.12
		VOC	1.94	7.75
		Pb	0.214	0.85
		Hg	0.00015	0.00062
		Cr	0.0087	0.035
		Cd	0.0068	0.027

Emission	Source	Air Contaminant	<u>Emission</u>	Rates *
Point No.	(1) Name (2)	Name (3)	1b/hr	TPY
04B	Meltshop Roof Monitor Monovent "B"	PM ₁₀ CO NO _X SO ₂ VOC Pb Hg Cr Cd	10.5 5.2 0.28 0.28 1.94 0.214 0.00015 0.0087 0.0068	42.0 20.7 1.12 1.12 7.75 0.85 0.00062 0.035 0.027
05	Medium Section Mill Reheat Furnace (8) (Permit No. 8099)	$\begin{array}{c} PM_{10} \\ NO_X \\ CO \\ SO_2 \\ VOC \end{array}$	4.30 65.70 10.70 15.40 2.10	10.00 154.00 25.00 36.00 5.00
06	Meltshop Overhead Car 87.4 Hoods Baghouse "B" Stack (6)	CO NO _X SO ₂ VOC Pb Hg Cr Cd	PM ₁₀ 124.6 6.7 6.7 46.6 0.061 0.0042 0.0015 0.0023	21.9 498.3 26.9 26.9 186.2 0.24 0.017 0.0061 0.0092
07	Furnaces "A" and "B" 4th Hole Evacuatior System Baghouse "C" Stack	$\begin{array}{cc} PM_{10} \\ n & CO \\ NO_X \\ SO_2 \\ VOC \end{array}$	17.4 254.4 54.8 24.8 21.4	69.5 1017.4 219.3 99.4 85.5

Emission		r Contaminant	Emission Rat	
Point No. (1)	Name (2)	Name (3)	1b/h <u>r</u>	<u>TPY</u>
		Pb Hg Cr Cd	0.020 0.096 0.0019 0.0011	0.079 0.38 0.0076 0.0046
08	Air Cascade Separator Auto Shredder Primary Collection System (9)		2.50	2.20
09	Large Section Mill Reheat Furnace (5)	PM_{10} NO_X SO_2 CO VOC	1.7 72.9 5.0 13.9 0.5	7.6 319.2 0.9 60.8 2.1
10A	Meltshop Roof Monitor Monovent "A"	PM_{10} CO NO_X SO_2 VOC	0.18 0.31 1.47 0.21 0.08	0.70 1.23 5.88 0.04 0.31
10B	Meltshop Roof Monitor Monovent "B"	PM_{10} CO NO_X SO_2 VOC	0.18 0.31 1.47 0.21 0.08	0.70 1.23 5.88 0.04 0.31
10C	"B" Side Ladle Heaters Sidewall Vent	PM_{10} CO NO_X SO_2 VOC	0.23 0.40 1.91 0.27 0.10	0.91 1.61 7.65 0.05 0.40
10D	"A" Side Ladle Heaters Side Wall Vent	PM_{10} CO NO_X SO_2 VOC	0.07 0.12 0.59 0.08 0.03	0.29 0.49 2.34 0.014 0.12

Emission	Source Ai	r Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	1b/hr	<u>TPY</u>
11A	Outdoor Alloy Handling 0.0089	(4)	РМ	0.0023
	0.0089		0.0011	0.0042
11B	Indoor Alloy Handling Monovent "A"	PM PM ₁₀	0.00023 0.00011	0.00089 0.00042
12	Scrap Steel Handling (4)	PM	0.42
	1.00	PM ₁₀	0.20	0.79
13	Baghouse Dust Railcar Fugitives (4)	PM PM ₁₀ Pb Hg Cr Cd	0.00057 0.00027 0.000015 0.00000009 0.00000097 0.00000042	0.0023 0.0011 0.000059 0.00000004 0.0000039 0.0000017
14	Alloy Piles (4)	PM PM ₁₀	0.079 0.079	0.054 0.054
15A	Pelletizer Silo Baghouse Stack	PM ₁₀ Pb Hg Cr Cd	0.0324 0.00085 0.0000005 0.000055 0.000024	0.1296 0.0034 0.000002 0.00022 0.000095
15B	Railcar Loading From Pelletizer Silo (4)	PM PM ₁₀ Pb Hg Cr Cd	0.00057 0.00027 0.000015 0.00000009 0.00000097 0.00000042	0.0023 0.00011 0.000059 0.00000004 0.0000039 0.0000017
16	Shredder Fugitives (4)(9)	PM	0.0056
	(Permit No. 3026)	PM_{10}	0.0024	0.006

Emission Point No. (1)	Source A Name (2)	ir Contaminant Name (3)	Emission Rat lb/hr	es * TPY
17	Residue Transfer at Magnetic Separator (0.012 (Permit No. 3026)	PM 4)(9) I	0.010 PM ₁₀	0.026 0.0049
20A	Unprocessed Residue Storage Pile (4)(9) (Permit No. 3026)	PM_{10}		0.14
21	Residue Storage Pile a Separation Facility (Permit No. 3026)			0.14
22	Vibrating Screen (4)(9 (Permit No. 3026)) PM PM ₁₀	0.15 0.015	0.65 0.065
23	Material Handling (4)(1.41		PM	0.32
	(Permit No. 3026)	PM_{10}	0.15	0.67
24	Fines Storage Pile(4)((Permit No. 3026)	9) PM ₁₀	PM 	0.14 0.14
25	Fines and Course Sand Storage (4)(9) (Permit No. 3026)	PM PM ₁₀		0.14 0.14
26	Light Organic Material Storage (4)(9) (Permit No. 3026)	PM PM ₁₀		0.14 0.14
30	In-Plant Vehicle Traffic (4)	PM PM ₁₀		34.8 12.5

Emission point identification - either specific equipment designation or emission point number from plot plan.

Specific point source name. For fugitive sources use area name or (1)

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fugitive source name. (3) PM - particulate matter suspended in the atmosphere, including PM ₁₀ PM ₁₀ - particulate matter equal to or 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 General Rule 101.1 Pb - lead and lead compounds Hg - mercury and mercury compounds Cr - chromium and chromium compounds Cd - cadmium and cadmium compounds (4) Fugitive emissions are an estimate only. (5) Emissions are based on a maximum design firing rate of 347 MMBtu/hr of natural gas fuel for a maximum of 8,760 hrs/yr. Permit No. 8097/PSD-TX-138M5 Page 6
EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
 (6) Emissions collected in the canopy hood are combined in a mixing chamber before splitting to the two baghouses. (7) For reference only - emissions authorized in Permit No. 1635. (8) For reference only - emissions authorized in Permit No. 8099. (9) For reference only - emissions authorized in Permit No. 3026.
* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year