Permit Number 8097 and PSDTX138M6

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 F	Rates (8)
(1)			lbs/hour	TPY (4)
Canopy Hoods Baghouse A Stac		РМ	13.04	52.14
	Meltshop Overhead	PM ₁₀	13.04	52.14
	Baghouse A Stack	PM _{2.5}	9.65	38.58
	(6) and (7)	со		
01	FIN:01-EAF, Tundish Pre-Heater, Ladle Pre-Heater,	NO _x		
	Shroud Pre-Heater, Ladle Metallurgy	SO ₂		
	Furnaces and Caster Torches	voc		
		Pb	0.042	0.14
		Hg	0.0029	0.011
		Cr	0.0011	0.0034
		Cd	0.0016	0.0051
06	Meltshop Overhead Canopy Hoods	РМ	22.00	88.00
Baghouse B Stack	PM ₁₀	22.00	88.00	
	(6 and 7) FIN: 04-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater,	PM _{2.5}	16.28	65.12
		СО		
		NO _x		
Ladle Metallurgy Furnaces and Caster Torches	SO ₂			
	voc			
		Pb	0.073	0.23
		Hg	0.0050	0.016
		Cr	0.0018	0.0059
		Cd	0.0027	0.009

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Furnace A and B 4 th Hole Evacuation and Meltshop Overhead Canopy Hood		РМ	17.37	69.49
	PM ₁₀	17.37	69.49	
	Baghouse C Stack (7) FIN: 01-EAF,	PM _{2.5}	12.85	51.42
		со		
	04-EAF, Tundish Pre-Heater, Ladle	NO _x		
	Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches	SO ₂		
		voc		
		Pb	0.023	0.074
		Hg	0.11	0.36
		Cr	0.0022	0.0071
		Cd	0.0013	0.0042
54	Roof Monitor Baghouse D Stack	РМ	3.73	14.93
	(7)	PM ₁₀	3.73	14.93
	FIN: FURNAFUG, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and Caster Torches	PM _{2.5}	2.76	11.05
		со		
		NO _x		
		SO ₂		
		voc		
		Pb	0.0029	0.0093
		Hg	0.0002	0.0006
		Cr	0.0001	0.0002
	Cd	0.0001	0.0003	
55	Baghouse E Stack (7) FIN: FURNB-FUG, Tundish Pre-Heater, Ladle Pre-Heater,	PM	3.73	14.93
		PM ₁₀	3.73	14.93
		PM _{2.5}	2.76	11.05
	Shroud Ladle Metallurgy Furnaces	со		
Project Number: 357261				

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		NOx		
	SO ₂			
	VOC			
		Pb	0.0029	0.0093
		Hg	0.0002	0.0006
	Cr	0.0001	0.0002	
		Cd	0.0001	0.0003
01, 06, 07, 54, 55	Combined Hourly and Annual Melt	со	506.45	1,632.13
	Shop Gaseous Emissions	NO _x	156.02	314.04
		SO ₂	137.78	340.34
		voc	109.27	352.11
09	Large Section Mill Reheat Furnace	РМ	3.38	14.82
	Stack	PM ₁₀	3.38	14.82
		PM _{2.5}	3.38	14.82
		СО	37.39	163.76
		NO _x	95.34	417.59
		SO ₂	6.36	1.17
		VOC	2.45	10.72
11A	Outdoor Alloy Handling	РМ	0.0023	0.0089
	(5)	PM ₁₀	0.0011	0.0042
		PM _{2.5}	0.0002	0.0006
12	12 Scrap Steel Handling	РМ	0.48	1.93
(5)	PM ₁₀	0.23	0.91	
		PM _{2.5}	0.03	0.14
13	Baghouse Dust Railcar Fugitives	РМ	0.001	0.0023
	(5)	PM ₁₀	0.0003	0.0011
Dunings Number 257001				

		PM _{2.5}	0.00004	0.00016
	Pb	1.48E-05	5.91E-05	
	Hg	8.72E-09	3.49E-08	
	Cr	9.69E-07	3.87E-06	
		Cd	4.16E-07	1.67E-06
14	Alloy Piles	PM	0.079	0.054
1	(5)	PM ₁₀	0.079	0.054
		PM _{2.5}	0.079	0.054
15A	Pelletizer Silo Stack		0.032	0.13
10/4	T CHCHZCI SHO Stack	PM ₁₀	0.032	0.13
		PM _{2.5}	0.032	0.13
		Pb	8.46E-04	3.38E-03
		Hg	4.99E-07	2.00E-06
		Cr	5.54E-05	2.22E-04
		Cd	2.38E-05	9.53E-05
15B	15B Railcar Loading From Pelletizer Silo	PM	0.0006	0.0023
	(5)	PM ₁₀	0.0003	0.00011
		PM _{2.5}	0.00004	0.00002
		Pb	1.48E-05	5.91E-05
		Hg	8.72E-09	3.49E-08
	Cr	9.69E-07	3.87E-06	
		Cd	4.16E-07	1.67E-06
30	In Plant Vehicle Traffic	PM	-	34.8
	(5)	PM ₁₀	-	12.5
		PM _{2.5}		1.25

05A	Medium Section Mill Reheat Furnace Stack	РМ	2.15	6.22
		PM ₁₀	2.15	6.22
		PM _{2.5}	2.15	6.22
		со	16.11	46.61
		NO _x	45.10	76.46
		SO ₂	3.03	0.37
		voc	1.14	3.29
73	73 ASR Dryer Baghouse Stack	PM	0.61	2.67
		PM ₁₀	0.61	2.67
		PM _{2.5}	0.20	0.88
	со	1.40	6.13	
	NO _x	1.02	4.47	
	SO ₂	0.24	1.04	
		VOC	0.09	0.40

- (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

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - 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 and lead compounds

Hg - mercury and mercury compounds
 Cr - chromium and chromium compounds
 Cd - cadmium and cadmium compounds

- (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) Emissions collected in the canopy hood are combined in a mixing chamber before splitting to the two baghouses.
- (7) Indoor coke storage silo baghouse emits inside the Melt Shop building and its emissions are included in the values shown.
- (8) Planned startup and shutdown and maintenance emissions are included.

Date:	June 22, 2023