Permit Number 8097 and PSDTX138M5

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.	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
(1)			lbs/hour	TPY (4)
		РМ	13.04	52.14
	Meltshop Overhead	PM ₁₀	13.04	52.14
	Canopy Hoods Baghouse A Stack (6) and (7) FIN:01-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches	PM _{2.5}	9.65	38.58
		со		
01		NO _x		
		SO ₂		
		voc		
		Pb	0.042	0.14
		Hg	0.0029	0.011
		Cr	0.0011	0.0034
		Cd	0.0016	0.0051
	Meltshop Overhead Canopy Hoods Baghouse B Stack (6 and 7) FIN: 04-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater,	РМ	22.00	88.00
06		PM ₁₀	22.00	88.00
		PM _{2.5}	16.28	65.12
		СО		
		NO _x		
	Ladle Metallurgy Furnaces and	SO ₂		
Caster Torches	VOC			
	Pb	0.073	0.23	
		Hg	0.0050	0.016
		Cr	0.0018	0.0059
		Cd	0.0027	0.009
Project Number: 317385		РМ	17.37	69.49
	Furnace A and B 4 th Hole Evacuation and	PM ₁₀	17.37	69.49

1	I			
		voc	36,	
		Pb	0.023	0.074
		Нд	0.11	0.36
		Cr	0.0022	0.0071
		Cd	0.0013	0.0042
54	Roof Monitor Baghouse D Stack (7)	РМ	3.73	14.93
		PM ₁₀	3.73	14.93
	FIN: FURNAFUG, Tundish Pre-Heater,	PM _{2.5}	2.76	11.05
	Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and	со		
		NO _x		
	Caster Torches	SO ₂		
		voc		
		Pb	0.0029	0.0093
		Hg	0.0002	0.0006
		Cr	0.0001	0.0002
		Cd	0.0001	0.0003
55	Roof Monitor Baghouse E Stack	РМ	3.73	14.93
	(7)	PM ₁₀	3.73	14.93
		PM _{2.5}	2.76	11.05
Metallurgy Furnaces Pre-Heater, and		со		
		NO _x		
	SO ₂			
	voc			
	Pb	0.0029	0.0093	
	Hg	0.0002	0.0006	
		Cr	0.0001	0.0002
Project Number: 317385		Cd	0.0001	0.0003
01, 06, 07, 54, 55	Combined Hourly	со	506.45	1,632.13

	1			
		voc	109.27	352.11
09	Large Section Mill Reheat Furnace Stack	РМ	3.38	14.82
		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 (5)	РМ	0.0023	0.0089
		PM ₁₀	0.0011	0.0042
		PM _{2.5}	0.0002	0.0006
12	Scrap Steel Handling (5)	РМ	0.48	1.93
		PM ₁₀	0.23	0.91
		PM _{2.5}	0.03	0.14
13	Baghouse Dust Railcar Fugitives (5)	РМ	0.001	0.0023
		PM ₁₀	0.0003	0.0011
		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 (5)	РМ	0.079	0.054
		PM ₁₀	0.079	0.054
		PM _{2.5}	0.079	0.054
15A	Pelletizer Silo Stack	РМ	0.032	0.13
Project Number: 317385		PM ₁₀	0.032	0.13
		PM _{2.5}	0.032	0.13
		Pb	8.46E-04	3.38E-03

1	1			1
		Cd	2.38E-05	9.53E-05
15B	Railcar Loading From Pelletizer Silo	РМ	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	РМ	-	34.8
	(5)	PM ₁₀	-	12.5
		PM _{2.5}		1.25
05A	Medium Section Mill Reheat Furnace	РМ	2.15	6.22
	Stack	PM ₁₀	2.15	6.22
		PM _{2.5}	2.15	6.22
		со	16.11	46.61
		NO _x	45.10	105.66
		SO ₂	3.03	0.37
		voc	1.14	3.29
73	ASR Dryer Baghouse Stack	РМ	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.
 Project Number: 317385

(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:	DRAFT 2021
Date.	DIVILLEDET

Project Number: 317385