### 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. (1)	Source Name (2)	Air Contaminant Name (3)	Emission R	ates (8)
			lbs/hour	TPY (4)
01	01 Meltshop Overhead Canopy Hoods	РМ	13.04	52.14
	Baghouse A Stack	PM <sub>10</sub>	13.04	52.14
	FIN:01-EAF, Tundish Pre-Heater, Ladle Pre-	PM <sub>2.5</sub>	9.65	38.58
	Heater, Shroud Pre- Heater, and Caster Torches	СО	77.86	311.42
	Torches	NO <sub>x</sub>	5.75	23.00
		SO <sub>2</sub>	4.81	18.66
		VOC	29.66	118.64
		Pb	0.043	0.17
		Hg	0.0029	0.012
		Cr	0.0011	0.0042
		Cd	0.0016	0.0064
Meltshop Overhead Canopy Hoods Baghouse B Stack (6 and 7) FIN: 04-EAF, Tundish Pre-Heater, Ladle Pre- Heater, Shroud Pre- Heater, and Caster Torches	PM	22.00	88.00	
	PM <sub>10</sub>	22.00	88.00	
	PM <sub>2.5</sub>	16.28	65.12	
	СО	133.85	535.38	
		NO <sub>x</sub>	9.88	39.53
		SO <sub>2</sub>	8.27	32.07
		VOC	50.99	203.96
		Pb	0.073	0.30
		Hg	0.0050	0.010
		Cr	0.0018	0.0073
		Cd	0.0027	0.011

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67 Furnace A and B 4 <sup>th</sup> Hole Evacuation and	РМ	17.37	69.49	
	Meltshop Overhead Canopy Hood	PM <sub>10</sub>	17.37	69.49
	Baghouse C Stack (6 and 7)	PM <sub>2.5</sub>	12.85	51.42
	FIN: 01-EAF, 04-EAF, Tundish Pre-	со	284.29	1137.16
	Heater, Ladle Pre- Heater, Shroud Pre- Heater, and Caster	NO <sub>x</sub>	63.08	252.31
	Torches	SO <sub>2</sub>	28.58	114.34
		VOC	24.58	98.34
		Pb	0.0229	0.0914
		Hg	0.11	0.44
		Cr	0.0022	0.0088
		Cd	0.0013	0.0053
09	Large Section Mill Reheat Furnace Stack	РМ	3.38	14.82
		PM <sub>10</sub>	3.38	14.82
		PM <sub>2.5</sub>	3.38	14.82
		со	37.39	163.76
		NO <sub>x</sub>	95.34	417.59
		SO <sub>2</sub>	6.36	1.17
		VOC	2.45	10.72
54	54 Roof Monitor Baghouse D Stack	РМ	3.73	14.93
(7) FIN: FURNA-FUG, Tundish Pre-Heater, Ladle Pre-Heater,	(7) FIN: FURNA-FUG,	PM <sub>10</sub>	3.73	14.93
	PM <sub>2.5</sub>	2.76	11.05	
	Shroud Pre-Heater, and Caster Torches	со	5.23	20.92
		NO <sub>x</sub>	0.32	1.27
		SO <sub>2</sub>	0.32	1.27
		VOC	2.01	8.05

		Pb	0.0029	0.0115
	Hg	0.0002	0.0008	
		Cr	0.0001	0.0003
		Cd	0.0001	0.0004
55	Roof Monitor Baghouse E Stack	PM	3.73	14.93
	(7) FIN: FURNB-FUG,	PM <sub>10</sub>	3.73	14.93
	Tundish Pre-Heater, Ladle Pre-Heater,	PM <sub>2.5</sub>	2.76	11.05
	Shroud Pre-Heater, and Caster Torches	СО	5.23	20.92
		NO <sub>x</sub>	0.32	1.27
		SO <sub>2</sub>	0.32	1.27
		VOC	2.01	8.05
		Pb	0.0029	0.0115
		Hg	0.0002	0.0008
		Cr	0.0001	0.0003
		Cd	0.0001	0.0004
73	ASR Dryer Baghouse Stack	РМ	0.61	2.68
Slack	PM <sub>10</sub>	0.61	2.68	
	PM <sub>2.5</sub>	0.20	0.88	
	NO <sub>x</sub>	1.02	4.47	
	со	1.40	6.13	
		SO <sub>2</sub>	0.24	1.04
		VOC	0.09	0.40

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10C	B Side Ladle Heaters Sidewall Vent	PM	0.15	0.58
		PM <sub>10</sub>	0.15	0.58
		PM <sub>2.5</sub>	0.15	0.58
		со	1.61	6.43
		NO <sub>x</sub>	1.91	7.65
		SO <sub>2</sub>	0.27	0.05
		voc	0.11	0.42
10D	A Side Ladle Heaters Sidewall Vent	РМ	0.04	0.18
		PM <sub>10</sub>	0.04	0.18
		PM <sub>2.5</sub>	0.04	0.18
		со	0.49	1.97
		NO <sub>x</sub>	0.59	2.34
		SO <sub>2</sub>	0.08	0.014
		voc	0.03	0.13
11A	Outdoor Alloy Handling	РМ	0.0023	0.0089
(5)	PM <sub>10</sub>	0.0011	0.0042	
		PM <sub>2.5</sub>	<0.0002	<0.0007
12	Scrap Steel Handling (5)	PM	0.48	1.93
		PM <sub>10</sub>	0.23	0.91
		PM <sub>2.5</sub>	0.035	0.14
Railcar F	Baghouse Dust Railcar Fugitives	РМ	<0.001	0.0023
	(5)	PM <sub>10</sub>	<0.001	0.0011
		PM <sub>2.5</sub>	<0.0001	<0.0002
		Pb	<0.00002	<0.00006
		Hg	<0.000001	4.0 E-08

Cr       <0.000001       3.9 E-06         Cd       <0.000001       1.7 E-06         14       Alloy Piles (S)       PM       0.079       0.054         PM±0       0.079       0.054         PM2s       0.079       0.054         PM2s       0.079       0.054         PM2s       0.0324       <0.13         PM2s       0.0324       <0.13         PM2s       0.0324       <0.13         Pb       <0.0009       <0.004         Hg       5.0 E-07       2.0 E-06         Cr       5.5 E-05       2.2 E-04         Cd       2.4 E-05       9.5 E-05         15B       Railcar Loading From Pelletizer Silo (S)       PM       <0.0006       0.0023         PM±0       <0.0006       0.0023       0.0001       0.0002         Pb       1.5 E-05       5.9 E-05       Hg         Hg       9.0 E-09       4.0 E-08         Cr       9.7 E-07       3.9 E-06         Cd       4.2 E-07       1.7 E-06         MPM±0       -       34.8         PM±0       -       12.5	1	•		•	
14 Alloy Piles (5) PM PM10 D.079 D.054 PM25 D.079 D.054 PM25 D.079 D.054 PM25 D.079 D.054 PM25 D.079 D.054 PM30 PM10 D.0324 PM10 D.0324 PM10 D.0324 PM25 D.0324 PM30 D.0324 D.0			Cr	<0.000001	3.9 E-06
PMio   0.079   0.054     PMio   0.079   0.054     PMz5   0.079   0.054     PMz5   0.079   0.054     PMz6   0.0324   <0.13     PMz7   0.0324   <0.13     PMz5   0.0324   <0.13     PMz5   0.0324   <0.13     Pb   <0.0009   <0.004     Hg   5.0 E-07   2.0 E-06     Cr   5.5 E-05   2.2 E-04     Cd   2.4 E-05   9.5 E-05     PMz6   0.0006   0.0023     PMz7   0.0006   0.0001     PMz8   <0.0001   0.00002     Pb   1.5 E-05   5.9 E-05     Hg   9.0 E-09   4.0 E-08     Cr   9.7 E-07   3.9 E-06     Cd   4.2 E-07   1.7 E-06     30   In Plant Vehicle Traffic   PM   - 34.8		Cd	<0.000001	1.7 E-06	
PM10   0.079   0.054     PM25   0.079   0.054     PM25   0.079   0.054     PM25   0.079   0.054     PM25   0.0324   <0.13     PM10   0.0324   <0.13     PM25   0.0324   <0.13     PM25   0.0324   <0.13     PM25   0.0009   <0.004     Hg   5.0 E-07   2.0 E-06     Cr   5.5 E-05   2.2 E-04     Cd   2.4 E-05   9.5 E-05     PM10   <0.0006   0.0023     PM10   <0.0003   0.00011     PM25   <0.0001   0.00002     Pb   1.5 E-05   5.9 E-05     Hg   9.0 E-09   4.0 E-08     Cr   9.7 E-07   3.9 E-06     Cd   4.2 E-07   1.7 E-06     30   In Plant Vehicle Traffic (5)	14		РМ	0.079	0.054
Pelletizer Silo Stack			PM <sub>10</sub>	0.079	0.054
PM <sub>10</sub> 0.0324 <0.13 PM <sub>25</sub> 0.0324 <0.13 Pb <0.0009 <0.004 Hg 5.0 E-07 2.0 E-06 Cr 5.5 E-05 2.2 E-04 Cd 2.4 E-05 9.5 E-05  15B Railcar Loading From Pelletizer Silo (S) PM 0.0006 0.0023 PM <sub>10</sub> <0.0003 0.00011 PM <sub>2.5</sub> <0.0001 0.00002 Pb 1.5 E-05 5.9 E-05 Hg 9.0 E-09 4.0 E-08 Cr 9.7 E-07 3.9 E-06 Cd 4.2 E-07 1.7 E-06 30 In Plant Vehicle Traffic (S)			PM <sub>2.5</sub>	0.079	0.054
PM <sub>2.5</sub> 0.0324 <0.13 Pb <0.0009 <0.004 Hg 5.0 E-07 2.0 E-06 Cr 5.5 E-05 2.2 E-04 Cd 2.4 E-05 9.5 E-05  15B Railcar Loading From Pelletizer Silo (5) PM 0 <0.0006 0.0023 PM <sub>2.5</sub> <0.0001 0.00002 Pb 1.5 E-05 5.9 E-05 Hg 9.0 E-09 4.0 E-08 Cr 9.7 E-07 3.9 E-06 Cd 4.2 E-07 1.7 E-06  30 In Plant Vehicle Traffic (5) PM - 34.8	15A	Pelletizer Silo Stack	РМ	0.0324	<0.13
Pb			PM <sub>10</sub>	0.0324	<0.13
Hg 5.0 E-07 2.0 E-06  Cr 5.5 E-05 2.2 E-04  Cd 2.4 E-05 9.5 E-05  15B Railcar Loading From Pelletizer Silo (5)  PM < 0.0006 0.0023  PM <sub>10</sub> < 0.0003 0.00011  PM <sub>2.5</sub> < 0.0001 0.00002  Pb 1.5 E-05 5.9 E-05  Hg 9.0 E-09 4.0 E-08  Cr 9.7 E-07 3.9 E-06  Cd 4.2 E-07 1.7 E-06  30 In Plant Vehicle Traffic (5)			PM <sub>2.5</sub>	0.0324	<0.13
Cr   5.5 E-05   2.2 E-04     Cd   2.4 E-05   9.5 E-05     15B   Railcar Loading From Pelletizer Silo (5)   PM   <0.0006   0.0023     PM <sub>10</sub>   <0.0003   0.00011     PM <sub>2.5</sub>   <0.0001   0.00002     Pb   1.5 E-05   5.9 E-05     Hg   9.0 E-09   4.0 E-08     Cr   9.7 E-07   3.9 E-06     Cd   4.2 E-07   1.7 E-06     30   In Plant Vehicle Traffic (5)   PM   - 34.8			Pb	<0.0009	<0.004
Cd 2.4 E-05 9.5 E-05  15B Railcar Loading From Pelletizer Silo (5)  PM <a href="https://www.energy.com/PM10"> (0.0006</a>			Hg	5.0 E-07	2.0 E-06
PM   PM   PM   PM   PM   PM   PM   PM			Cr	5.5 E-05	2.2 E-04
Pelletizer Silo (5)  PM <sub>10</sub> PM <sub>2.5</sub> Pb  1.5 E-05  Hg  9.0 E-09  4.0 E-08  Cr  Cd  4.2 E-07  1.7 E-06  PM  -  34.8			Cd	2.4 E-05	9.5 E-05
PM <sub>2.5</sub>	15B	Railcar Loading From Pelletizer Silo	РМ	<0.0006	0.0023
Pb 1.5 E-05 5.9 E-05  Hg 9.0 E-09 4.0 E-08  Cr 9.7 E-07 3.9 E-06  Cd 4.2 E-07 1.7 E-06  30 In Plant Vehicle Traffic (5) PM - 34.8			PM <sub>10</sub>	<0.0003	0.00011
Hg 9.0 E-09 4.0 E-08  Cr 9.7 E-07 3.9 E-06  Cd 4.2 E-07 1.7 E-06  30 In Plant Vehicle Traffic (5)  PM - 34.8			PM <sub>2.5</sub>	<0.0001	0.00002
Cr 9.7 E-07 3.9 E-06  Cd 4.2 E-07 1.7 E-06  30 In Plant Vehicle Traffic (5)  PM - 34.8			Pb	1.5 E-05	5.9 E-05
Cd 4.2 E-07 1.7 E-06  30 In Plant Vehicle Traffic (5) PM - 34.8			Hg	9.0 E-09	4.0 E-08
30 In Plant Vehicle Traffic (5) PM - 34.8			Cr	9.7 E-07	3.9 E-06
(5)		Cd	4.2 E-07	1.7 E-06	
	30		PM	-	34.8
	(-/		PM <sub>10</sub>	-	12.5
PM <sub>2.5</sub> 1.25			PM <sub>2.5</sub>		1.25

05A	Reheat Furnace Stack	РМ	2.15	6.22
		PM <sub>10</sub>	2.15	6.22
		PM <sub>2.5</sub>	2.15	6.22
		со	16.11	46.61
		NO <sub>x</sub>	45.10	130.52
	SO <sub>2</sub>	3.03	0.37	
		VOC	1.14	3.29

- (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<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as

represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

Pb - lead and lead compounds

Hg - mercury and mercury compoundsCr - chromium and chromium compoundsCd - 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 building and its emissions are included in the values shown.
- (8) Planned startup and shutdown and maintenance emissions are included.

Date:	October 9, 2017
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