

Emission Sources - Maximum Allowable Emission Rates

Permit Number 77214

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 Rates (6)	
			lbs/hour	TPY (4)
FURNSTK1	Furnace 1 Stack 630 MMBtu/hr	NO _x	37.80	37.8
		CO	25.20	25.2
		SO ₂	0.36	0.4
		VOC	3.30	3.3
		PM	4.56	4.6
		PM ₁₀	4.56	4.6
		PM _{2.5}	4.56	4.6
FURNSTK2	Furnace 2 Stack 630 MMBtu/hr	NO _x	37.80	37.8
		CO	25.20	25.2
		SO ₂	0.36	0.4
		VOC	3.30	3.3
		PM	4.56	4.6
		PM ₁₀	4.56	4.6
		PM _{2.5}	4.56	4.6
FURNSTK3	Furnace 3 Stack 315 MMBtu/hr	NO _x	18.9	14.2
		CO	12.6	9.5
		SO ₂	0.18	0.2
		VOC	1.65	1.3
		PM	2.28	1.8
		PM ₁₀	2.28	1.8
		PM _{2.5}	2.28	1.8
FURNSTK8	Billet Reheat Furnace 8 Stack	NO _x	1.29	5.7

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		CO	1.69	7.4
		SO ₂	0.02	0.1
		VOC	0.12	0.5
		PM	0.16	0.7
		PM ₁₀	0.16	0.7
		PM _{2.5}	0.16	0.7
FUG2	Slab Cutting for Preheat (5)	NO _x	0.53	2.1
		CO	0.44	1.8
		SO ₂	3.2E-3	0.02
		VOC	0.03	0.2
		PM	4.16	16.0
		PM ₁₀	4.16	16.0
		PM _{2.5}	4.16	16.0
		Chromium	0.83	0.4
		Nickel	0.50	0.02
FUG2	Torch Cutting-Flame Cut (5)	NO _x	0.09	0.3
		CO	0.07	0.2
		SO ₂	5.2E-4	1.4E-3
		VOC	4.8E-3	0.02
		PM	0.96	2.40
		PM ₁₀	0.96	2.40
		PM _{2.5}	0.96	2.40
		Chromium	0.19	0.05
		Nickel	0.12	0.03
FUG2	Torch Cutting-Scrap Yard (5)	NO _x	0.02	0.07
		CO	0.02	0.06
		SO ₂	1.4E-4	3.8E-4
		VOC	1.3E-3	3.4E-3
		PM	0.07	0.12

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		PM ₁₀	0.07	0.12
		PM _{2.5}	0.07	0.12
		Chromium	0.02	2.4E-3
		Nickel	7.7E-3	2.0E-3

- (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
- (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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit and will need separate authorization unless the activity can meet conditions of 30 TAC 116.119.

Date: June 12, 2015