

Emission Sources - Maximum Allowable Emission Rates

Permit Number 49126

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)
BGHSEW-1	West Baghouse Stack (32' South Zinc Kettle and 32' North Zinc Kettle)	PM	0.05	<0.10
		PM ₁₀	0.05	<0.10
		PM _{2.5}	<0.03	<0.05
		ZnO	<0.01	<0.02
		Zn	0.003	<0.005
		ZnCl ₂	0.002	0.004
		NH ₃	<0.001	<0.001
		NH ₄ Cl	0.036	<0.07
BGHSEE-1	North Baghouse Stack (42' North Zinc Kettle and 45' North Zinc Kettle)	PM	0.09	0.12
		PM ₁₀	0.09	0.12
		PM _{2.5}	0.04	0.06
		ZnO	0.013	0.02
		Zn	0.004	<0.01
		ZnCl ₂	0.004	0.005
		NH ₃	<0.001	0.001
		NH ₄ Cl	0.058	<0.09
NGCS-32S	32' South Kettle Burner Stack	PM	0.05	0.10
		PM ₁₀	0.05	0.10
		PM _{2.5}	0.05	0.10
		SO _x	<0.004	<0.01
		NO _x	0.59	1.29
		CO	0.49	1.08
		VOC	<0.03	0.07
NGCS-32N Project Number: 356224	32' North Kettle Burner Stack	PM	0.05	0.10
		PM ₁₀	0.05	0.10

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		PM _{2.5}	0.05	0.10
		SO _x	<0.01	<0.01
		NO _x	0.59	1.29
		CO	0.49	1.08
		VOC	<0.03	0.07
NGCS-42S	42' South Kettle Burner Stack	PM	0.04	0.10
		PM ₁₀	0.04	0.10
		PM _{2.5}	0.04	0.10
		SO _x	<0.01	<0.01
		NO _x	0.57	1.25
		CO	0.48	1.05
		VOC	0.03	0.07
NGCS-45N	45' North Kettle Burner Stack	PM	0.06	0.13
		PM ₁₀	0.06	0.13
		PM _{2.5}	0.06	0.13
		SO _x	<0.01	<0.01
		NO _x	0.76	1.67
		CO	0.64	1.40
		VOC	0.04	0.09
BOILER-1	Boiler 1 Stack	PM	0.04	0.08
		PM ₁₀	0.04	0.08
		PM _{2.5}	0.04	0.08
		SO _x	<0.01	<0.01
		NO _x	0.50	1.10
		CO	0.42	0.92
		VOC	0.28	0.06
SBGFUG-1	Outdoor Dry Abrasive Blast Unit (5)	PM	1.28	0.70
		PM ₁₀	0.15	0.08
		PM _{2.5}	0.08	0.04
ZINC FUG-1	Zinc Metal Spraying (5)	PM	0.48	0.44
		PM ₁₀	0.48	0.44

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		CO	0.55	0.50
		SO _x	<0.01	<0.01
		VOC	0.16	0.15
BLDGFUG	Building Fugitives (5) (1 Caustic Tank, 6 Sulfuric Acid Tanks, 2 Pre-flux Tanks, 4 Zinc Kettles, 2 Pre-flux Tank Heaters, 2 Zinc Ammonium Chloride Tanks, and Thermal/Mechanical Zinc Recovery Unit Heaters #1 & #2)	PM	0.11	0.13
		PM ₁₀	0.11	0.13
		PM _{2.5}	0.07	0.07
		ZnO	0.01	<0.02
		Zn	<0.01	<0.01
		ZnCl ₂	<0.01	<0.01
		NH ₃	<0.001	<0.002
		NH ₄ Cl ₂	0.05	<0.08
		NaOH	0.05	0.22
		H ₂ SO ₄	<0.13	0.55
		ZnCl ₂ •2NH ₄ Cl	0.29	1.27
		SO _x	<0.001	<0.001
		NO _x	0.17	0.11
		CO	0.15	0.13
		VOC	<0.01	<0.01
EAB	Enclosed Steel Shot Blast Filter Stack	PM	<0.0001	<0.0002
		PM ₁₀	<0.0001	<0.0002
		PM _{2.5}	<0.0001	<0.0001
WAB	Wheelabrator Filter Stack	PM	0.10	<0.10
		PM ₁₀	0.10	<0.10
		PM _{2.5}	<0.02	<0.02
MZR-STACK	Thermal/Mechanical Zinc Recovery Units #1 & #2 Baghouse Stack	PM	<0.01	0.06
		PM ₁₀	<0.01	0.06
		PM _{2.5}	<0.01	0.03
		Zn	<0.01	<0.01
		ZnCl ₂	<0.01	<0.01
		ZnO	<0.01	0.01
Project Number: 356224				
CGSC-6	Cold Galvanizing Paint On Touchup Area #6 (5)	VOC	0.42	0.72

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CGSC-7	Cold Galvanizing Paint On Touchup Area #7 (5)	VOC	0.63	2.81
CGSC-9	Cold Galvanizing Paint On Touchup Area #9 (5)	VOC	0.53	2.29
CGSC-10	Cold Galvanizing Paint On Touchup Area #10 (5)	VOC	0.53	2.29
CGSC-12	Cold Galvanizing Paint On Touchup Area #12 (5)	VOC	0.42	0.72
CGSC-AREA H	Cold Galvanizing Paint On Touchup Area H (5)	VOC	0.63	2.82
CGSC-AREA W	Cold Galvanizing Paint On Touchup Area W (5)	VOC	1.05	1.79

- (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
- ZnO - zinc oxide
- Zn - zinc
- ZnCl₂ - zinc chloride
- NH₃ - ammonia
- NH₄Cl - ammonium chloride
- ZnCl₂•2NH₄Cl - zinc ammonium chloride
- NaOH - sodium hydroxide
- H₂SO₄ - sulfuric acid
- (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.

Date: _____ Draft