

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20805

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 (FIN) (2)	Air Contaminant Name (3)	Emission Rates (7)	
			lbs/hour	TPY (4)
STAK 02, STAK 03, STAK 04, STAK 05, STAK 06, STAK 07, STAK 09, STAK 10, FUG 04, FUG 05, and FUG 08	EXT 03, EXT 04, EXT 05, INT 02, INT 03, CURE 3, SMALLPRIME, and DIP 02	VOC and ES	--	80
STAK 02, STAK 05, and STAK 06	EXT 03, EXT 05, and INT 02	PM ₁₀	--	0.06
		PM _{2.5}	--	0.06
STAK 02	Conduit Exterior Priming Booth (EXT 03)	VOC	21.94	--
		ES	0.34	--
		PM ₁₀	0.02	--
		PM _{2.5}	0.02	--
STAK 03	Electric Preheat Oven (EXT 03)	VOC	9.4	--
		ES	0.14	--
STAK 04	Conduit Exterior Coating Tank (EXT 04) and Laser Trimming	VOC (5)	10.5	--
		HCl (5)	0.03	0.09
STAK 05	Conduit Thread Coating Booth (EXT 05)	VOC	0.5	--
		PM ₁₀	<0.01	--
		PM _{2.5}	<0.01	--
STAK 06	Small Conduit Interior Coating Booth (INT 02)	VOC	10.8	--
		ES	8.47	--
		PM ₁₀	0.01	--
		PM _{2.5}	0.01	--

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STAK 07	Small Conduit Interior Coating Air Drying (INT 02)	VOC	3.22	--
		ES	2.53	--
STAK 08	Fittings 1.6 MMBtu/hr Preheat Oven (PREHEAT 3)	VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.16	0.69
		CO	0.13	0.58
		SO ₂	<0.01	<0.01
STAK 09	Fittings 1.6 MMBtu/hr Plastisol Cure Oven (CURE 3)	VOC (6)	0.08	--
		VOC	0.01	0.04
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		NO _x	0.16	0.69
		CO	0.13	0.58
		SO ₂	<0.01	<0.01
STAK 10	Small Parts, Fittings, and Couplings Priming Station (SMALLPRIME)	VOC	4.67	--
		ES	0.21	--
STAK 11	Adhesion Enhancement Grinder (AEP 1) vented through a Cyclone (CYC 01) and Dust Collector (BAGHOUSE 1) exhausted inside Building	PM ₁₀ (5)	0.21	0.64
		PM _{2.5} (5)	0.12	0.37
STAK 13	Small Parts Fluidized Bed 0.8 MMBtu/hr Preheat Oven (PREHEAT 4)	VOC	<0.01	0.02
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		NO _x	0.08	0.34
		CO	0.07	0.29
		SO ₂	<0.01	<0.01

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STAK 14	Small Parts Fluidized Bed Powder Coater (FLUID 01) vented through a Cartridge Filter (BAGHOUSE 2) exhausted inside Building	PM ₁₀ (5)	0.31	0.95
		PM _{2.5} (5)	0.16	0.49
STAK 15	Small Parts Fluidized Bed 0.8 MMBtu/hr Cure Oven (CURE 4)	VOC	<0.01	0.02
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		NO _x	0.08	0.34
		CO	0.07	0.29
		SO ₂	<0.01	<0.01
STAK 17	Metal Spray Booth (METALIZING) with Cartridge and HEPA Filter Dust Collectors (ZNFILTER)	PM ₁₀	7.20 ⁻⁷	2.26 ⁻⁶
		PM _{2.5}	7.20 ⁻⁷	2.26 ⁻⁶
FUG 04	Small Parts, Fittings, and Couplings Priming Station (SMALLPRIME)	VOC (5)	2	--
		ES (5)	0.09	--
FUG 05	Two Fittings Plastisol Dip Tanks (DIP 02)	VOC (5)	0.46	--
FUG 08	Large Conduit Interior Coating Area (INT 03)	VOC (5)	3.34	--
		ES (5)	0.49	--
BAKE 1	Pre-Coat 1.2 MMBtu/hr Bake Oven (BAKE 1)	VOC	0.01	0.03
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04
		NO _x	0.12	0.52
		CO	0.1	0.43
		SO ₂	<0.01	<0.01
BOILER 1	8.4 MMBtu/hr Boiler (BOILER 1)	VOC	0.05	0.2
		PM ₁₀	0.06	0.27
		PM _{2.5}	0.06	0.27
		NO _x	0.82	3.61
		CO	0.69	3.03
		SO ₂	<0.01	0.02
CURE 2	Fittings and Couplings Powder Coat	VOC	<0.01	0.02

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		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		NO _x	0.08	0.34
		CO	0.07	0.29
		SO ₂	<0.01	<0.01

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name or Facility Identification Number (FIN). For fugitive sources, use area name or fugitive source name.
- (3) ES - Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- 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
- HCl - hydrogen chloride
- (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) Process (non-combustion) emissions.
- (7) Emission rates include any maintenance, startup, and shutdown emissions other than those for facilities/activities listed on Attachment 1 to Special Conditions.

Date: March 19, 2013

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