

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 24680

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 (8)	
			lbs/hour	TPY (4)
1	Plasma Flame Powder Spray Booth No. 2 HEPA Filter Stack (6)	PM	1.44E-5	5.94E-6
		PM <sub>10</sub>	1.44E-5	5.94E-6
		NO <sub>x</sub>	0.03	<0.01
		SO <sub>2</sub>	0.07	<0.01
		CO	3.53	0.30
		VOC	0.07	<0.01
6	Plasma Electric Arc Wire Spray Booth No. 3 HEPA Filter Stack (6)	PM	6.0E-6	1.99E-6
		PM <sub>10</sub>	6.0E-6	1.99E-6
		PM <sub>2.5</sub>	6.0E-6	1.99E-6
9	Spray Coating Booth Baghouse Stack (7)	PM	3.51E-6	2.27E-6
		PM <sub>10</sub>	3.51E-6	2.27E-6
		PM <sub>2.5</sub>	3.51E-6	2.27E-6
		VOC	5.19 E-7	0.007
3	Stator Cleaning Turco Scrubber Stack 2 (Stator Cleaning Process Tanks)	H <sub>2</sub> SO <sub>4</sub>	<0.002	<0.008
		Phosphonic Acid	<0.001	<0.001
		NaOH	<0.001	<0.004
		HNO <sub>3</sub>	<0.001	<0.004
BLDG-FUG1	EDM Process (4)(5)	VOC	<0.02	<0.04

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			lbs/hour	TPY (4)
2	Turco Scrubber Stack 1 (Tribomet and Nickel Strike Processes)	Co	2.5 E-5	5.8 E-7
		Cr	4.5 E-9	1.1 E-7
		Ni	4.8 E-8	5.5 E-8
PBR 106.316				
7	Fluorescent Penetrant Inspection Booth Stack	VOC	<0.01	<0.01
PBR 106.453				
10	Electric Curing Oven Stack	VOC	<0.001	<0.001
PBR 106.227				
BLDG-FUG3	Welding Operations	PM	<0.10	<0.02
		PM <sub>10</sub>	<0.10	<0.02
		PM <sub>2.5</sub>	<0.10	<0.02

- (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) 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<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
- H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

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Co	-	cobalt
Cr	-	chromium
Ni	-	nickel
NaOH	-	sodium hydroxide
HNO <sub>3</sub>	-	nitric 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) Trace quantities of silver (Ag), aluminum (Al), cobalt (Co), chromium III (Cr III), copper (Cu), iron (Fe), molybdenum (Mo), manganese (Mn), nickel (Ni), and tungsten (W) are contained in the particulate matter.
- (7) Trace quantities of Al and Cr are included in the particulate matter and Propylene Glycol Monoethyl Ether Acetate and Tripropylene Glycol Methyl Ether are contained in the VOC.
- (8) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: April 25, 2013