

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 21189

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)
EP1a	EPS Bead Expander, Bead Aging, Block Molder, and Block Aging vented through a Thermal Oxidizer (2.785 MMBtu/hr) (EPSa)	Pentane	0.97	1.06
		VOC (5)	0.03	0.08
		PM <sub>10</sub> (5)	0.03	0.10
		PM <sub>2.5</sub> (5)	0.03	0.10
		NO <sub>x</sub> (5)	0.50	1.44
		CO (5)	0.35	1.14
		SO <sub>2</sub> (5)	<0.01	<0.01
EP1b	Uncontrolled EPS Block Molder Bldg Fug (EPSb)	Pentane	4.08	4.46
EP1c	Boiler (3.844 MMBtu/hr) (BLR1)	VOC (5)	0.02	0.09
		PM <sub>10</sub> (5)	0.03	0.13
		PM <sub>2.5</sub> (5)	0.03	0.13
		NO <sub>x</sub> (5)	0.38	1.65
		CO (5)	0.32	1.39
		SO <sub>2</sub> (5)	<0.01	<0.01
EP1d	Uncontrolled EPS Bead and Block Aging (BYPASS)	Pentane	16.79	12.01
EP2	Woodworking Equipment vented through a Baghouse, Special Cell Line (BH1)	PM <sub>10</sub>	0.09	0.24
		PM <sub>2.5</sub>	0.09	0.24
EP3a	Core Embosser (CE1)	Pentane	3.24	2.45
		VOC	12.29	9.31
		ES	<0.01	<0.01
		PM <sub>10</sub>	0.23	0.18
		PM <sub>2.5</sub>	0.23	0.18
EP3b	Core Embosser (CE2)	Pentane	1.62	1.68

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		VOC	6.14	6.39
		ES	<0.01	<0.01
		PM <sub>10</sub>	0.12	0.12
		PM <sub>2.5</sub>	0.12	0.12
EP3c	Wire Cutter Bldg Fug (CE4)	Pentane	0.32	0.45
		VOC	1.19	1.71
		ES	<0.01	<0.01
		PM <sub>10</sub>	0.09	0.13
		PM <sub>2.5</sub>	0.09	0.13
EP4a	Edge Spray Paint Booth, Special Cell Line Roll Coater (SB1)	VOC	0.82	2.15
		PM <sub>10</sub>	0.02	0.05
		PM <sub>2.5</sub>	0.02	0.05
EP5	Adhesive Roll Spreaders (GL1, GL2, and GL3), Glazing (GL3), Cleanup (FWVOC), and Touchup Spray Painting Bldg Fug	VOC	15.96	8.42
		ES	1.31	0.39
		PM <sub>10</sub>	0.05	0.01
		PM <sub>2.5</sub>	0.05	0.01
EP7	Space Heaters Bldg Fug (4.273 MMBtu/hr) (HEATERS)	VOC (5)	0.02	0.10
		PM <sub>10</sub> (5)	0.03	0.14
		PM <sub>2.5</sub> (5)	0.03	0.14
		NO <sub>x</sub> (5)	0.42	1.83
		CO (5)	0.35	1.54
		SO <sub>2</sub> (5)	<0.01	0.01
All Emission Points at the Site	All Sources at the Site	Individual HAP		<10.00
		Total HAP		<25.00

- (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) Pentane - includes n-pentane, cyclopentane, and isopentane  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
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.  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

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NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emissions from the combustion of natural gas.
- (6) Maintenance, startup, and shutdown emissions are included in the allowable emission rates.

Date: October 11, 2018