

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21189

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (FIN)	Air Contaminant Name (2)	<u>Emission Rates</u>	
			lb/hr	TPY (3)
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 (4)	0.02	0.07
		PM <sub>10</sub> (4)	0.02	0.09
		NO <sub>x</sub> (4)	0.27	1.20
		CO (4)	0.23	1.00
		SO <sub>2</sub> (4)	<0.01	0.01
EP1b		Pentane (5)	4.08	4.46
EP1c	Uncontrolled EPS Block Molder (EPSb)	VOC (4)	0.02	0.09
		PM <sub>10</sub> (4)	0.03	0.13
		NO <sub>x</sub> (4)	0.38	1.65
	Boiler (3.884 MMBtu/hr) (BLR1)	CO (4)	0.32	1.39
		SO <sub>2</sub> (4)	<0.01	0.01
EP1d		Pentane	16.79	12.01
EP2	Uncontrolled EPS Bead and Block Aging (BYPASS)	PM <sub>10</sub>	0.20	0.62
EP3a	Woodworking Equipment vented through a Baghouse (BH1)	VOC	15.53	18.40
		Exempt Solvent	<0.01	<0.01
		PM <sub>10</sub>	0.23	0.27
EP3c	Core Embosser (CE1)	VOC (5)	1.33	2.13
		Exempt Solvent (5)	<0.01	<0.01
		PM <sub>10</sub> (5)	0.08	0.12
	Wire Cutter (CE4)			

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EP4a		VOC	0.42	1.22
		PM <sub>10</sub>	0.18	0.60
EP5	Edge Spray Paint Booth (SB1)	VOC (5)	32.70	36.75
		Exempt Solvent (5)	1.20	0.36
		PM <sub>10</sub> (5)	0.10	0.03
EP7	Adhesive Roll Spreaders (GL1, GL2 and GL3), Glazing (GL3), Cleanup (FWVOC), and Touchup Spray Painting			
		VOC (4)(5)	0.02	0.10
		PM <sub>10</sub> (4)(5)	0.03	0.14
		NO <sub>x</sub> (4)(5)	0.42	1.83
		CO (4)(5)	0.35	1.54
		SO <sub>2</sub> (4)(5)	<0.01	0.01
EP8	Space Heaters (4.273 MMBtu/hr) (HEATERS)	VOC	0.58	3.43
		Ammonia	0.01	0.06
		PM <sub>10</sub>	0.37	1.60
EP9 and EP10	LFI In-Mold Primer Booth (Primer, Barrier Coat and Long Fiber Injection (LFIa)	VOC	5.74	10.05
		Ammonia	0.10	0.18
		PM <sub>10</sub>	0.86	1.51
	LFI Post-Prime Booth (LFIb) and Curing Oven (LFIc)	VOC (4)	<0.01	0.02
		PM <sub>10</sub> (4)	<0.01	0.02
		NO <sub>x</sub> (4)	0.07	0.32
		CO (4)	0.06	0.27
		SO <sub>2</sub> (4)	<0.0	<0.01

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- (1) Emission point identification from a plot plan.
- (2) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)
  - Exempt Solvent - organic compounds as defined in 30 TAC § 101.1
  - Pentane - includes n-pentane, cyclopentane, and isopentane
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM<sub>10</sub> - particulate matter equal to a nominal 10 microns in aerodynamic diameter
  - CO - carbon monoxide
  - HAP - hazardous air pollutant as listed in Title 40 Code of Federal Regulations Part 63, Subpart C
- (3) Rate is for a rolling 12 consecutive months
- (4) Emission from combustion of natural gas
- (5) Fugitive emissions

Dated November 17, 2009