

Formaldehyde

Formaldehyde Point Source Emissions in New England, 2005

(tons/yr)

Airport Operations	57.4
Other Electric Power Generation	40.6
Fossil Fuel Electric Power Generation	28.5
Pulp & Paper Mills	26.6
Paperboard Mills	12.3
Reconstituted Wood Product Manufacturing	11.2
Electric Power Generation, Transmission and Distribution	7.9
Electric Power Distribution	7.4
Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	7.2
Plastics Material and Resin Manufacturing	6.9
All Other Miscellaneous General Purpose Machinery Manufacturing	6.6
Sawmills	4.3
Asphalt Paving Mixture and Block Manufacturing	2.7
Manufacturing	2.6
Bare Printed Circuit Board Manufacturing	2.5
Newsprint Mills	2.4
Pipeline Transportation of Natural Gas	1.2
All Other Miscellaneous Fabricated Metal Product Manufacturing	1.0
All other point	18.1
Total	247.3

*** State level Formaldehyde Area Source Emissions, 2002 (in descending order)**

State-source categories shown that had emissions > 10 tons/year

State	SCC L1	SCC L2	SCC L3	SCC L4	Tons/Year
MA	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	399.3
ME	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	395.5
NH	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	251.3
CT	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	251.2
ME	Stationary Source Fuel Combustion	Industrial	Waste oil	Total	81.3
MA	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Brush Species Unspecified	25.0
MA	Stationary Source Fuel Combustion	Residential	Wood	Outdoor Wood Burning Equipment	23.8
MA	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	21.0
MA	Waste Disposal, Treatment, and Recovery	Open Burning	Municipal (collected from residences, parks, other	Yard Waste - Total (includes Leaves, Weeds, and Br	15.1
MA	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total: All Combustor Types	13.7
CT	Stationary Source Fuel Combustion	Residential	Wood	Outdoor Wood Burning Equipment	13.0
VT	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Brush Species Unspecified	11.4
CT	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	10.2
				Total area source emissions	1,647.3

State level Formaldehyde Mobile Source Emissions, 2005 (in descending order)

(tons/yr)

MA	Onroad	1,098.9
CT	Onroad	586.9
MA	Nonroad, other	440.4
ME	Onroad	305.1
NH	Onroad	260.2
CT	Nonroad, other	246.6
ME	Nonroad, other	200.4
NH	Nonroad, other	150.3
RI	Onroad	142.4
MA	Airports	134.8
VT	Onroad	104.1
VT	Nonroad, other	81.6
ME	Airports	64.9
RI	Nonroad, other	62.4
CT	Airports	48.2
NH	Airports	38.1
MA	Commercial marine	32.9
ME	Commercial marine	32.7
VT	Airports	27.9
RI	Airports	12.8
NH	Commercial marine	5.2
CT	Commercial marine	4.8
MA	Rail	3.3
NH	Rail	0.5
RI	Commercial marine	0.2
VT	Commercial marine	0.0
CT	Rail	0.0
ME	Rail	0.0
RI	Rail	0.0
VT	Rail	0.0
	Total mobile source emissions	4,085.6

* Note: The 2005 NATA analysis was performed using, in most cases, 2002 area source emission estimates.