

Acetaldehyde

Acetaldehyde Point Emissions in New England, 2005 (tons/yr)

MACT Process Category Name

Pulp & Paper Production - Pulping & Bleaching	64.89
Pulp & Paper Production - Non MACT	25.9
Not a MACT Process	8.49
Coal fired ICI Boilers & Process Heaters	1.37
Wood or Waste Fired Utility Boilers	1.33
All Other Categories	8.8
Total	110.8

*** State Level Acetaldehyde Area Source Emissions, 2002 (sorted by magnitude of emissions)**

State-source categories shown that had emissions > 0.5 tons/year

State	SCC L1	SCC L2	SCC L3	SCC L4	Tons/Year
MA	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	451.05
ME	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	443.74
NH	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	284.26
CT	Stationary Source Fuel Combustion	Residential	Wood	Total: Woodstoves and Fireplaces	282.60
MA	Stationary Source Fuel Combustion	Residential	Wood	Outdoor Wood Burning Equipment	24.98
MA	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	15.20
CT	Stationary Source Fuel Combustion	Residential	Wood	Outdoor Wood Burning Equipment	13.60
ME	Stationary Source Fuel Combustion	Industrial	Waste oil	Total	12.96
ME	Stationary Source Fuel Combustion	Residential	Wood	Outdoor Wood Burning Equipment	10.14
NH	Stationary Source Fuel Combustion	Residential	Wood	Outdoor Wood Burning Equipment	7.95
MA	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Brush Species Unspecified	7.36
CT	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	7.36
VT	Waste Disposal, Treatment, and Recovery	Open Burning	Residential	Household Waste (use 26-10-000-xxx for Yard Wastes)	6.91
MA	Waste Disposal, Treatment, and Recovery	Open Burning	Municipal (collected from residences, parks, other)	Yard Waste - Total (includes Leaves, Weeds, and Br	4.44
VT	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Leaf Species Unspecified	4.06
VT	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Brush Species Unspecified	3.36
ME	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	3.28
NH	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	2.73
RI	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	2.43
MA	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total: All Combustor Types	1.95
MA	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Conveyorized Charbroiling	1.92
VT	Waste Disposal, Treatment, and Recovery	Open Burning	Municipal (collected from residences, parks, other)	Yard Waste - Total (includes Leaves, Weeds, and Br	1.52
VT	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	1.35
CT	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total: All Combustor Types	1.35
MA	Solvent Utilization	Surface Coating	Architectural Coatings	Total: All Solvent Types	1.12
CT	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Conveyorized Charbroiling	0.97
ME	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total: All Combustor Types	0.60
CT	Solvent Utilization	Surface Coating	Architectural Coatings	Total: All Solvent Types	0.53
Total Area Source Emissions					1,599.7

State level Acetaldehyde Mobile Source Emissions, 2005 (tons / year; in descending order)

CT	On-road	474.1
MA	On-road	438.4
MA	Non-road	184
ME	On-road	126
CT	Non-road	123.9
NH	On-road	100.8
ME	Non-road	64.7
NH	Non-road	55.2
RI	On-road	53.5
MA	Airports	46.2
VT	On-road	43.6
VT	Non-road	27.9
RI	Non-road	26.6
ME	Airports	22.4
CT	Airports	16.6
ME	Commercial Marine	16.1
MA	Commercial Marine	15.7
NH	Airports	13.4
VT	Airports	9.6
RI	Airports	4.4
NH	Commercial Marine	2.6
CT	Commercial Marine	2.4
MA	Rail	1.4
NH	Rail	0.2
CT	Rail	0
ME	Rail	0
RI	Commercial Marine	0
RI	Rail	0
VT	Commercial Marine	0
VT	Rail	0
Total Mobile Source Emissions		1,869.7

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