

Fluoride in New Jersey Public Water Supplies

August 2008

All ground and surface water in the United States, including in New Jersey, contains some naturally occurring fluoride, and some water systems add fluoride to the water. The tooth enamel of a child's developing primary and permanent teeth will be permanently strengthened, and tooth decay prevented, by absorbing fluorides from the blood. These can come from natural or added fluoride in drinking water or food.

In New Jersey the fluoride levels the U.S. Centers for Disease Control recommend to prevent tooth decay is 0.9 to 1.0 parts of fluoride per million parts (ppm) of water, and should not be more than 2.0 ppm. If a water system has less than that amount in its water supplies naturally, it can add fluoride to bring levels to the recommended level. This addition results in "fluoride-adjusted" water supplies; this term does not include water supplies with only natural fluoride (including private well water with natural fluoride).

The following pages include lists of public water suppliers that add fluoride, and of public water supplies whose natural levels of fluoride meet or approach U.S. Centers for Disease Control recommendations for levels that help prevent tooth decay.

For more information on this topic, contact:

New Jersey Dental Association
One Dental Plaza
North Brunswick, NJ 08902
732-821-9400
www.njda.org

New Jersey Department of Health and Senior Services
School and Oral Health
PO Box 364
Trenton, NJ 08625-0364
609-943-5749
<http://www.state.nj.us/health/fhs/newborn/oralhealth.shtml>

National Fluoridation Engineer
Centers for Disease Control and Prevention
770-488-6076
<http://www.cdc.gov/fluoridation/>

New Jersey Department of Environmental Protection
Bureau of Safe Drinking Water Technical Assistance
PO Box 426
Trenton, NJ 08625-0426
609-292-5550
<http://www.nj.gov/dep/watersupply/safedrnk.htm>

New Jersey Fluoride-Adjusted Public Water Supplies

Note: *These data are the most accurate the state has, but they are subject to change as water systems change in size (for example, larger systems buying smaller ones) and fluoridation activities (for example, by season or location within a community; systems may change their decisions to fluoridate or not, or whether they buy fluoridated water from other systems. Check with your water system for the most up-to-date information about their fluoridation activities and levels in your area.*

County	Water System	Communities Served (part or all)
Atlantic	Atlantic City WD	Atlantic City
	Egg Harbor City WD	Egg Harbor
Burlington	McGuire Air Force Base	North Hanover
	Willingboro MUA	Willingboro
	Mt. Laurel Twp MUA	Mt. Laurel
	U.S. Army Fort Dix	North Hanover
	Aqua New Jersey—Hamilton Square	Chesterfield
	Mt. Laurel Township	Mt. Laurel Twp
Gloucester	Washington Township MUA	Washington
Hunterdon	New Jersey American-Raritan	Raritan Twp (except Maple Glen); Readington
Mercer	East Windsor MUA	East Windsor
	Aqua New Jersey—Hamilton Square	Hamilton; Robbinsville
	Hightstown WD	Hightstown
	Trenton Water Works	Ewing; Hamilton; Hopewell Twp; Lawrence; Trenton
	New Jersey American-Raritan	Lawrence; Princeton Boro; Princeton Twp; West Windsor
Middlesex	East Brunswick Water Utility	East Brunswick
	South Brunswick Township WD	South Brunswick
	New Jersey American-Raritan (directly or through NJA-Jamesburg)	Cranbury (parts); Jamesburg; Kingston; Plainsboro (parts)
Monmouth	Allentown WD	Allentown
	Freehold Borough WD	Freehold Boro; Freehold Twp
	Freehold Township WD	Colts Neck; Freehold Township
	S B Water	Colts Neck

County	Water System	Communities Served (part or all)
Monmouth (cont'd)	New Jersey American—Coastal North	Aberdeen; Allenhurst; Asbury Park; Bay Head; Bradley Beach; Brick; Colts Neck; Deal; Dover Township; Eatontown; Elberon; Fair Haven; Highlands; Holmdel; Interlaken; Lavalette; Little Silver; Loch Arbour; Long Branch; Mantoloking; Middletown; Monmouth Beach; Neptune; Neptune City; Normandy Beach; Ocean; Ocean Grove; Oceanport; Red Bank; Rumson; Sea Bright; Shrewsbury Boro; Shrewsbury Twp; Tinton Falls; Wanamassa; West Long Branch
Somerset	New Jersey American--Raritan	Branchburg (including Neshanic Station); Bridgewater (only Bradley Gardens, Finderne, Green Knoll); Hillsborough (including Belle Mead); Manville; Millstone Boro; Montgomery (including Skillman); Peapack-Gladstone; Raritan Boro; Somerville
Sussex	Newton Water & Sewer Authority	Newton
Union	United Water Rahway	Rahway

MUA= Municipal Utilities Authority; WD= Water Department. Communities named may be served as well by other systems that do not fluoridate.

New Jersey Natural-Fluoride Public Water Supplies at or near Desired Concentrations

September 2008

The maximum naturally occurring fluoride permitted in drinking water is 4 parts per million (ppm), versus 2 ppm recommended for fluoride-adjusted water. The desired concentration is 0.9 ppm in southern New Jersey, and 1.0 ppm in the north (differing average maximum air temperatures across regions affect the amount of water people drink), with acceptable ranges of 0.8-1.4 ppm (south) and 0.9-1.5 ppm (north). Water systems were listed below if they had at least one sample of at least 0.8 ppm of fluoride between January 1, 2006 and September 18, 2008.

County	Water System	Communities Served (part or all)	Fluoride Range (parts per million)	Sampling Dates
Atlantic	Buena Borough	Buena	0.47-0.81	1-4-06 to 1-7-08
	Egg Harbor City WD	Egg Harbor	0.83	6-27-06
Burlington	Burlington City WD	Burlington	0.8	2-16-06
	U.S. Army Fort Dix	North Hanover	0.2-0.82	3-27-06 to 5-13-08
Cumberland	Bayshore Mobile Home Park	Stow Creek	1.36	5-1-06
Gloucester	Clayton WD	Clayton	0.38-1.93	3-27-06
	Deptford Twp MUA	Deptford	0.27-1.65	8-30-06 to 9-12-07
	Glassboro WD	Glassboro	1.64-1.85	6-24-06 to 6-24-08
	Mantua Twp MUA	Mantua	0.11-1.78	5-27-08
	Manor Water Assns	Mantua	1.32-1.34	5-4-06
	Pitman WD	Glassboro, Mantua, Pitman	1.47-1.97	10-3-06 to 12-26-06
	Wenonah WD	Wenonah	1.39-1.42	6-7-06
Morris	Woodbury City WD	Woodbury	0.2-1.37	2-28-08 to 5-15-08
	AWM Four Seasons at Chester	Chester	1.17-1.19	9-7-06
Passaic	New Jersey American Water Co.-West Jersey	Mt. Olive	0.98	6-13-06
	West Milford Twp MUA Awosting	West Milford	0.7-1.0	8-7-06
Salem	Woodstown WD	Mannington, Pilesgrove, Woodstown	0.25-2.58	7-11-06
Sussex	Great Gorge Terrace Assn	Vernon	1.55	3-29-06

MUA= Municipal Utilities Authority; WD= Water Department.