

Fluoride in New Jersey Public Water Supplies

January 2011

All ground and surface water in the United States, including in New Jersey, contains naturally occurring fluoride; some water systems add fluoride to the water. 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, food or toothpaste, among other sources.

The fluoride level the U.S. Centers for Disease Control (CDC) recommend to prevent tooth decay is 0.7 parts of fluoride per million parts (ppm) of water, and not more than 2.0 ppm to avoid mild fluorosis (slight mottling of tooth enamel). If a water supply has less than that amount naturally, adding fluoride to bring levels to the recommended level results in "fluoride-adjusted" water supplies; this term does not include supplies with only natural fluoride (including private well water).

The next pages list water suppliers that add fluoride, and water supplies whose natural levels of fluoride meet or approach CDC-recommended levels to 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

*These data are the most accurate the state has, but they can change as water systems change in size (for example, larger systems buy smaller ones) and fluoridation (by season or location within a community; systems may stop or start fluoridation, or buy fluoridated water from other systems). **Check with your water system** for the most up-to-date information about fluoride-adjusted water presence and levels delivered to your area.*

County	Water System	Communities Served by Fluoride-Adjusted Water [FAW] (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
Gloucester	Washington Township MUA	Washington
Hunterdon	New Jersey American-Raritan	<i>FAW direct from NJA-R year-round:</i> Readington, Three Bridges, Whitehouse, Whitehouse Station <i>FAW direct from NJA-R only if town needs emergency water:</i> Flemington
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	Hightstown; Hopewell Twp; Lawrence; Princeton Boro; Princeton Twp; West Windsor
Middlesex	East Brunswick WD	East Brunswick
	South Brunswick Twp WD	South Brunswick
	New Jersey American-Raritan (directly or via NJA-Jamesburg)	Cranbury; 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 by Fluoride-Adjusted Water [FAW] (part or all)
Monmouth (cont'd)	New Jersey American— Coastal North	<p><i>FAW direct from NJA-CN year-round:</i> Aberdeen; Allenhurst; Asbury Park; Bay Head; Bradley Beach; Brick Twp (part); Colts Neck (part); Deal; Dover Township (part); Eatontown; Elberon; Fair Haven; Highlands Borough; Holmdel; Interlaken; Lavalette (part); Little Silver; Loch Arbor; Long Branch; Mantoloking; Middletown; Monmouth Beach; Neptune; Neptune City; Ocean Twp; Ocean Grove; Oceanport; Red Bank (part); Rumson; Sea Bright; Shrewsbury Borough; Shrewsbury Twp; Tinton Falls; Wanamassa; West Long Branch</p> <p><i>FAW direct from NJA-CN Dec-Feb:</i> Howell Twp (eastern, southern); Lakewood (northern)</p> <p><i>FAW bought from NJA-CN by other systems year-round:</i> Lake Como; Point Pleasant Borough; Shorelands Water Company</p> <p><i>FAW bought from NJA-CN by other systems year-round for part of year:</i> (Sept-May) Avon by the Sea; Belmar; Matawan; (Sept-April) Union Beach via Shorelands Water Co. (Oct-May) East Keansburg; (Dec-June) Red Bank (part); (Dec-Feb) Farmingdale Borough</p>
Morris	New Jersey American--Raritan	<p><i>FAW direct from NJA-R year-round:</i> Chester</p>
Somerset	New Jersey American--Raritan	<p><i>FAW direct from NJA-R year-round:</i> Belle Mead; Branchburg; Bridgewater (only Bradley Gardens, Finderne, Green Knoll); Flagtown; Gladstone; Hillsborough; Manville; Millstone Twp (part); Montgomery (includes Skillman); Neshanic Station; Peapack; Pottersville; Raritan Boro; Somerville; Tewksbury</p> <p><i>FAW bought from NJA-R by other systems year-round:</i> Bedminster (NJA-Short Hill)</p>
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

January 2011

The maximum naturally occurring fluoride permitted in drinking water is 4 parts per million (ppm), versus 2 ppm recommended for fluoride-adjusted water. The Centers for Disease Control have recommended an optimal concentration nationwide of 0.7 ppm, versus an earlier range of 0.8-1.5 ppm in New Jersey. Water systems were listed below if they had at least one sample of at least 0.7 ppm of fluoride between January 1, 2008 and January 1, 2011. Note that this level of fluoride may not be consistent across time.

County	Water System	Communities Served (part or all)	Fluoride Range (parts per million)	Sampling Dates
Atlantic	Buena Borough	Buena	0.47-0.79	1-2-08 to 1-6-10
Camden	Aqua NJ-Blackwood	Blackwood	nd-0.77	2008-10 various
Cumberland	Bayshore Mobile Home Park	Stow Creek	1.31	1-15-09
Gloucester	Clayton WD	Clayton	0.454-1.76	7-(14,23,29)-09
	Deptford Twp MUA	Deptford	nd-1.28	12-15-10
	Glassboro WD	Glassboro	nd-1.84	6-24-08; 4-28-09
	Mantua Twp MUA	Mantua	0.11-1.78	5-27-08
	Manor Water Assns	Mantua	1.22-1.23	4-24-09
	Monroe Twp MUA	Monroe Twp	nd-0.756	2008-2010 various
	New Jersey American-Harrison	Harrison	0.4-1.23	4-10-08, 4-29-09, 6-4-09
	Pitman WD	Glassboro, Mantua, Pitman	1.83-2.3	6-23-09
	Wenonah WD	Wenonah	1.36-1.38	6-4-09
	West Deptford Twp WD	West Deptford Twp	0.62-1.47	5-19-08
	Woodbury City WD	Woodbury	0.2-1.37	2-28-08 to 5-15-08
Mercer	Pennington WD	Pennington	0.6-0.8	9-24-09
Morris	AWM Four Seasons at Chester	Chester	1.02-1.03	1-6-09
	Cliffside Park Water Assn	Cliffside Park	nd-1.2	8-11-08, 8-12-08, 11-23-09
Passaic	West Milford Twp MUA Awosting	West Milford	nd-0.9	7-29-09
	West Milford Twp MUA Olde Milford Estate	West Milford	nd-2.0	7-27-09
Salem	Elmer Boro WD	Elmer	0.71-0.79	8-2-09
	Woodstown WD	Mannington, Pilesgrove, Woodstown	0.282-2.82	5-5-09
Sussex	Great Gorge Terrace Assn	Vernon	1.44-1.49	8-12-09
	Valley View Apartments		0.69-2.18	12-24-09

MUA= Municipal Utilities Authority; WD= Water Department. nd=not detectable