

ENVIRONMENTAL Fact Sheet



29 Hazen Drive, Concord, New Hampshire 03301 • (603) 271-3503 • www.des.nh.gov

WD-DWGB-5-1

2010

Public Water Systems that Add Fluoride

The New Hampshire public water systems listed below add fluoride to their water supply. The purpose is to reduce the incidence of tooth decay in users of all ages. The target dosage, as recommended by the U.S. Public Health Service, Centers for Disease Control and Prevention, is approximately 1.1 parts per million (ppm), which also can be expressed as 1.1 milligram per liter (mg/L).

Fluoride occurs naturally in bedrock (drilled/artesian) wells in New Hampshire. In southern New Hampshire, the occurrence of elevated fluoride is irregular. In the northern portions, fluoride is much more common, particularly in bedrock wells in the Mt. Washington Valley. Public water systems with elevated naturally occurring fluoride are listed in the fact sheet WD-DWGB-5-2, "Small Public Water Systems in New Hampshire with Naturally Occurring Fluoride."

Several of the water systems noted below serve water to customers outside what would normally appear to be their major service areas. For example, Portsmouth serves many customers in Newington, New Castle, Greenland and Rye, while many other residences in those towns are served by un-fluoridated public or private water supplies. Dental offices need to determine the drinking water source before recommending fluoride supplementation.

System	Senior Operator	# Population Served	Chemical Used/ Start Date
Concord Water Works 16 Penacook St. Concord, NH 03301	Dave Brennan 225-8696	38,000	Fluorosilicic acid 1952-1960; 1978-Pres
Fryeburg Water Co. 8A Portland St. Fryeburg, ME 04037	John Hastings 207-935-2010	100 (in NH)	Sodium Fluoride
Dover Water Works River St. Dover, NH 03820	Bill Boulanger 516-6459	26,000	Fluorosilicic Acid 1990
Durham Water Works UNH Water Treatment Plant Durham, NH 03824	Wesley East 862-1390	14,000	Sodium Fluoride 1955

System	Senior Operator	# Population Served	Chemical Used/ Start Date
Hanover Water Co. PO Box 1006 Hanover, NH 03755	Peter Kulbacki 643-3439	8,500	Sodium Fluoride 1958
Laconia Water Works 988 Union Ave. Lakeport, NH 03246	Floyd Dungenman 524-1096	12,000	Sodium Fluoride 1989
Lancaster Water Works 25 Main St. Lancaster, NH 03584	Tim Bilideau 788-3201	2,200	Sodium Fluoride 1964
Manchester Water Works 281 Lincoln St. Manchester, NH 03103	Dave Paris 624-6482	128,000	Fluorosilicic Acid Fall 2000
Lebanon Water Works 65 Pumping Station Rd. Lebanon, NH 03766	Jim Angers 448-2514	10,500	Sodium Fluoride 1956
Portsmouth Water Works 60 Freshet Rd. Madbury, NH 03801	Steve Scotton 431-6007	33,000	Fluorosilicic Acid 1971
Pease Trade Port 60 Freshet Rd. Madbury, NH 03801	Steve Scotton 431-6007	No residential customers	Fluorosilicic Acid 195?-1990; 2002
Rochester Water Works 64 Strafford Rd., Rte 202A Rochester, NH 03867	Robert Gray 335-4291	17,000	Fluorosilicic Acid 1981

For More Information

Please contact the Drinking Water and Groundwater Bureau and the New Hampshire Water Well Board at (603) 271-2513 or dwgbinfo@des.nh.gov or visit <http://des.nh.gov/organization/divisions/water/dwgb/index.htm>. All of the bureau's fact sheets are on-line at <http://des.nh.gov/organization/commissioner/pip/factsheets/dwgb/index.htm>.

Note: This fact sheet is accurate as of July 2010. The availability of additional information after this date may render this information inaccurate or incomplete.