
ENVIRONMENTAL Fact Sheet



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

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2020

Slow Sand Filtration Facilities

This fact sheet provides a list of all slow sand, surface water filtration facilities in New Hampshire. Slow sand filtration is an appropriate technology for meeting the filtration requirements of the US Environmental Protection Agency surface water filtration rule.

A slow sand filtration facility typically has a minimum of two filter beds. The beds consist of uniformly fine sand, of approximate size 0.3 mm, supported on a gravel sub-base with a network of under-drain collection pipes. The typical design loading rate is 0.05 gpm/sq.ft.

Operationally, a slow sand filtration plant requires less attention than other filtration technologies. Maintenance consists of removing solids from the top of the sand bed every few months. This removal is commonly by hand. A few New Hampshire facilities clean the beds by harrowing and backwashing. Other operational duties include testing for turbidity and bacteria and disinfection using chlorine.

For More Information

Please contact the Drinking Water and Groundwater Bureau at (603) 271-2513 or dwgbinfo@des.nh.gov or visit our website at www.des.nh.gov.

Note: This fact sheet is accurate as of July 2019. Statutory or regulatory changes or the availability of additional information after this date may render this information inaccurate or incomplete.

NH Slow Sand Filtration Plants

Town	Owner	Operator	Capacity (mgd)	Population	Start Up
Bartlett	Bartlett Village Water Precinct Box 67 Bartlett, NH 03846	Scott Hayes (603) 383-4083	0.2	1,500	1995
Bethlehem	Bethlehem Water District General Delivery Bethlehem, NH 03574	Terry Welch (603) 837-2332	0.5	1,500	1994
Canaan	Canaan Water Dept. PO Box 38 Canaan, NH 03741	John Coffey (603) 532-4501	0.1	600	1989
Gorham	Gorham Water & Sewer 8 Main St Gorham, NH 03581	Kurt Johnson (603) 466-3302	1.0	3,700	1991
Hillsborough	Hillsborough Water Dept. PO Box 2216 Hillsborough, NH 03244	Cody Boisvert (603) 428-3764	1.0	2,000	1996
Lancaster	Lancaster Water Dept. 25 Main St Lancaster, NH 03584	Tim Bilodeau (603) 788-3201	0.7	2,000	1996
Newport	Newport Water Dept. 15 Sunapee St Newport, NH 03773	Todd Cartier (603) 863-4271	0.7	5,000	1993
Sunapee	Sunapee Water Dept. PO Box 347 Sunapee, NH 03782	David Bailey (603) 763-2115	0.5	2,000	1998