
ENVIRONMENTAL Fact Sheet



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Slow Sand Filtration Facilities

This fact sheet provides on page 2 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 and the New Hampshire Water Well Board at (603) 271-2513 or dwgbinfo@des.nh.gov or visit our website at <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>.

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	David Patry (603) 466-3302	1.0	3,700	1991
Hillsborough	Hillsborough Water Dept. PO Box 2216 Hillsborough, NH 03244	Joe Damour (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	Robert Naylor (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