



PWSID ME0091470
SOUTH BERWICK WATER DISTRICT

2005 Consumer Confidence Report
Water Quality Test Results

Questions & Comments
 (207) 384-2257

Contaminant	Date	Results	MCL	MCLG	Source
<u>Microbiological</u> TOTAL COLIFORM (1)	2005	0 pos.	1 pos.	0 pos	Naturally present in the environment.
<u>Inorganics</u> ARSENIC (2)	08/16/05	0.5 ppb	10 ppb	0 ppb	Erosion of natural deposits. Run-off from Orchards, glass and electronic production wastes.
BARIUM	08/16/05	0.007 ppm	2 ppm	2 ppm	Discharge of drilling wastes. Discharge from metal deposits.
CHROMIUM	08/16/05	4 ppb	100 ppb	100 ppb	Discharge from steel and pulp mills. Erosion of natural deposits.
COPPER 90TH % VALUE (4)	08/22/05	0.12 ppm	AL=1.3 ppm	1.3 ppm	Corrosion of household plumbing systems.
FLUORIDE (3)	08/16/05	0.33 ppm	4 ppm	4 ppm	Erosion of natural deposits. Water additive which promotes Strong teeth. Discharge from fertilizer & aluminum factories.
LEAD 90TH % VALUE (4)	08/22/05	4 ppb	AL=15 ppb	0 ppb	Corrosion of household plumbing systems.
NITRATE NITROGEN	08/16/05	0.32 ppm	10 ppm	10 ppm	Runoff from fertilizer use. Leaching from septic tanks, sewage. Erosion of natural deposits.
<u>Radionuclides</u> GROSS ALPHA SCREEN (6)	09/12/02	2.53 Pci/L	15 Pci/L	0 Pci/L	Erosion of natural deposits.
RADIUM 228	05/20/02	0.12 Pci/L	5 Pci/L	0 Pci/L	Erosion of natural deposits.
RADON SCREEN (5)	04/26/04	2614 Pci/L	20000 Pci/L	N/A	Erosion of natural deposits.

Definitions:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health.

Running Annual Average (RAA): The average of all monthly or quarterly samples for the last year at all sample locations.

Action Level (AL): The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Units:

ppm: parts per million or milligrams per liter (mg/L)
 ppb: parts per billion or micrograms per liter (ug/L)
 pCi/L: picocuries per liter (a measure of radioactivity).

pos: positive samples.
 ntu: nephelometric turbidity units.

Notes:

Total Coliform Bacteria: Reported as the highest monthly number of positive samples, for water systems that take < 40 samples per month. For water systems that take > than 40 samples per month, no more than 5% of the samples may be positive.

Arsenic: The U.S. EPA adopted the new MCL standard in October 2001. Water systems must meet this new standard by January.

Fluoride: Fluoride levels must be maintained between 1-2 ppm, for those water systems that fluoridate their water.

Lead/Copper: Action levels (AL) are measured at consumer's tap. 90% of the test must be equal to or below the action level.

Radon: The State of Maine currently recommends follow-up action (treatment) for Radon levels in drinking water above 20,000 pCi/L. The U.S. EPA is considering setting lower standards for Radon in drinking water.

Gross Alpha: Action level over 5 pCi/L requires testing for Radium. Action level over 15 pCi/L requires testing for Radon and Uranium.



All other regulated drinking water contaminants were below detection levels