

MOUNTAIN RIVER EAST CONDOMINIUMS WATER QUALITY REPORT - 2001

Is my drinking water safe? We are pleased to report that our drinking water is safe and meets state and federal requirements.

What is the source of my water? Mountain River East Condominiums obtains its water from two bedrock wells.

Why are there contaminants in my water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amount of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

How can I get involved?

Walter Bourque (603) 536-4488

Other information

Bedrock Well #1 is 654 deep and yields 15 gallons per minute. Bedrock Well #2 is 610 feet deep and yields 20 gallons per minute. Water flows from the wells to a 20,000 gallon steel atmospheric storage tank. The water is then transferred by duplicate booster pumps to a 3,600 gallon hydropneumatic storage tank. The water is not treated and is provided to 80 condominium units connected to the distribution system.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from the health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Definitions: **MCLG:** Maximum Contaminant Level Goal, or the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. • **MCLs:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology • **AL:** Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. • **TT:** Treatment Technique, or a required process intended to reduce the level of a contaminant in drinking water.

Abbreviations: PPT: Parts per trillion • PPB: parts per billion • ppm: parts per million or • n/a: not applicable • NTU: Nephelometric Turbidity Unit • MFL: million fibers per liter • nd: not detectable at testing limits. BDL: below detection limit.

TEST RESULTS

Contaminant	Violation Y/N	Level Detected/Range of Detection	Unit Meas.	MC LG	MCL	Likely Source of Contamination
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Microbiological Contaminants

Total Coliform Bacteria (% positive samples)	N	Absent	-	0	presence of coliform bacteria in $\geq 5\%$ of compliance samples.	Naturally present in the environment
Fecal coliform and <i>E. coli</i>	N	Absent		0	a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or <i>E. coli</i> positive.	Human and animal fecal waste

Radioactive Contaminants

Radon	N	1200	pCi/l	0	None	Erosion of natural deposits
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Inorganic Contaminants

Antimony	N	2	ppb	6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic	N	1	ppb	n/a	50	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium	N	.005	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium	N	2	ppb	4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium	N	1	ppb	5	5	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
Chromium	N	5	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Copper	N	.11	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Cyanide	N	50	ppb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride	N	.29	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead	N	5	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Mercury (inorganic)	N	1	ppb	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Nitrate (as Nitrogen)	N	.05	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Nitrite (as Nitrogen)	N	.05	ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	N	5	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium	N	1	ppb	0.5	2	Leaching from ore-processing sites; discharge from electronics, glass and drug factories

Volatile Organic Contaminants

Benzene	N	BDL	ppb	0	5	Discharge from factories; leaching from gas storage tanks and landfills
Chlorobenzene	N	BDL	ppb	100	100	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene	N	BDL	ppb	600	600	Discharge from industrial chemical factories
p-Dichlorobenzene	N	BDL	ppb	75	75	Discharge from industrial chemical factories
1,2-Dichlorethane	N	BDL	ppb	0	5	Discharge from industrial chemical factories
1,2-Dichloropropane	N	BDL	ppb	0	5	Discharge from industrial chemical factories
Ethylbenzene	N	BDL	ppb	700	700	Discharge from petroleum refineries
Styrene	N	BDL	ppb	100	100	Discharge from rubber and plastic factories; leaching from landfills
1,2,4-Trichlorobenzene	N	BDL	ppb	70	70	Discharge from textile-finishing factories
1,1,1-Trichloroethane	N	BDL	ppb	200	200	Discharge from metal degreasing sites and other factories
1,1,2-Trichloroethane	N	BDL	ppb	3	5	Discharge from industrial chemical factories
Trichloroethylene		N/A	ppb	0	5	Discharge from metal degreasing sites and other factories
TTHM (Take total of contaminants below) Bromodichloromethane Bromoform Chlorodibromomethane Chloroform		N/A	ppb	0	100	By-product of drinking water chlorination
Toluene	N	BDL	ppm	1	1	Discharge from petroleum factories
Vinyl Chloride	N	BDL	ppb	0	2	Leaching from PVC piping; discharge from plastics factories
Xylenes (total contaminants listed below) M/P-Xylenes O-Xlyene		N/A	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories

Synthetic Organic Contaminants including Pesticides and Herbicides

2,4-D	N	BDL	ppb	70	70	Runoff from herbicide used on row crops
2,4,5-TP (Silvex)	N	BDL	ppb	50	50	Residue of banned herbicide
Acrylamid		N/A		0	TT	Added to water during sewage/wastewater treatment
Alachlor	N	BDL	ppb	0	2	Runoff from herbicide used on row crops
Atrazine	N	BDL	ppb	3	3	Runoff from herbicide used on row crops
Benzo(a)pyrene (PAH)	N	BDL	ppt	0	200	Leaching from linings of water storage tanks and distribution lines
Carborfuran	N	BDL	ppb	40	40	Leaching of soil fumigant used on rice and alfalfa
Chlordane		N/A	ppb	0	2	Residue of banned termiticide
Di(2-ethylhexyl) adipate	N	BDL	ppb	400	400	Discharge from chemical factories
Di(2-ethylhexyl) phthalate	N	BDL	ppb	0	6	Discharge from rubber and chemical factories
Dibromochloropropane	N	BDL	ppt	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards
Dinoseb	N	BDL	ppb	7	7	Runoff from herbicide used on soybeans and vegetables
Endrin	N	BDL	ppb	2	2	Residue of banned insecticide
Ethylene dibromide (EDB)		N/A	ppt	0	50	Discharge from petroleum refineries
Glyphosate	N	BDL	ppb	700	700	Runoff from herbicide use
Heptachlor	N	BDL	ppt	0	400	Residue of banned termiticide
Heptachlor epoxide	N	BDL	ppt	0	200	Breakdown of heptachlor
Hexachlorobenzene	N	BDL	ppb	0	1	Discharge from metal refineries and agricultural chemical factories
Lindane	N	BDL	ppt	200	200	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	N	BDL	ppb	40	40	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
Oxamyl (Vydate)	N	BDL	ppb	200	200	Runoff/leaching from insecticide used on apples, potatoes and tomatoes
PCBs (Polychlorinated biphenyls)		N/A	ppt	0	500	Runoff from landfills; discharge of water chemicals
Pentachlorophenol	N	BDL	ppb	0	1	Discharge from wood preserving factories
Picloram	N	BDL	ppb	500	500	Herbicide runoff
Simazine	N	BDL	ppb	4	4	Herbicide runoff
Toxaphene	N	BDL	ppb	0	3	runoff/leaching from insecticide used on cotton and cattle

Health Effects Information:

No contaminants exceeded the MCL.

Mountain River East Condominium

Water Source Assessment Report

The New Hampshire Department of Environmental Services has prepared a Source Assessment Report for the source(s) serving this public water system. The results of the assessments are as follows. For both bedrock wells, two (2) susceptibility factors were rated high, one (1) was rated medium, and nine (9) were rated low. The complete Assessment Report is available for inspection on the internet at www.mtrivereast.net. For more information, call Walter Bourque at (603) 536-4488 or visit New Hampshire's DES's Drinking Water Source Assessment Program website at www.des.state.nh.us/dwspp.