

FALL RIVER 2012 CCR DATA TABLE

<u>Contaminant Names</u>	<u>MCL</u>	<u>MCLG</u>	<u>Detection Limit</u>	<u>Fall River Water</u>	<u>Sample date</u>	<u>Violation (s)</u>	<u>Major Sources in Drinking Water</u>
Inorganic Contaminant, ppm							
Fluoride	4	4		0.9 - 1.1	daily	none	Water Additive, promotes healthy teeth.
Sodium	n/a		0.5	26.9	14-Mar	none	Naturally present, and added during treatment process
Free Chlorine	4.0 MRDL	4		1.75	daily	none	Added during treatment process (to kill bacteria)
Barium	2.0	2	0.0005	ND	12-Mar-12	none	Naturally present in source water
Nitrate Contaminants, ppm							
Nitrate	10	10	0.03	ND	9-Mar	none	Fertilizer use, septic tanks, erosion from natural deposits
Organic Chemical Contaminants, ppb							
Trihalomethanes (THMs)	80	n/a	0.5	37.2 - 76.5	2-Apr	none	Reaction by-products of chlorine and residual organic materials.
Haloacetic acids (HAAs)	60	n/a	0.5	23.3 - 51.5	2-Apr	none	
Lead, ppb , (ND = not detected)	15 (AL not MCL)	0	2	ND to 20.0 Pb & Cu next due in 2015	July - Sept.	No violation @ 90th percentile	Corrosion of household plumbing.
Copper, ppm (ND = not detected)	1.3 (AL not MCL)	0	0.02	ND to 0.70	July - Sept.	none	Corrosion of household plumbing.
Turbidity, NTU	5.0 (TT not MCL)	n/a		0.07	31-Mar	none	Suspended organic & inorganic particles from soil runoff
Microbial Contaminants							
Total coliform bacteria	5% of monthly samples	0		Compliant	Various	none	Naturally present in the environment, and wastes.
Radioactive Contaminants							
Next sampling date to be determined by Ma DEP							
Gross alpha particle emitters, pCu/l	15	0		0.99	12/31/2012	none	Decay of natural and man made deposits
Radium 226, pCu/l	5	0		0.02	12/31/2012	none	Erosion of natural deposits.
Radium 228, pCu/l	5	0		0.04	12/31/2012	none	Common trace element in the earth's crust.
Volatile Organic Compounds	Various limits			Non-detect	12-Mar	none	Common trace element in the earth's crust.
Total Organic Carbon, ppm	TT not MCL		0.5	1.7	13-Mar	none	Naturally present, and man-made chemicals.
Perchlorate, ppb	2		0.012	0.07	09/31/12		Man-made Chemical

Required Definitions

AL	Action Level. See Important Definitions, above.	mrem/year	millirems per year, a measure of the amount of radiation
MCL	Maximum Contaminant Level. See above.	NTU	Nephelometric Turbidity Units: measures solid materials suspended in water
MCLG	Maximum Contaminant Level Goal. See above.	pCi/l	picocuries per liter, a measure of radiation.
MRDL	Maximum Residual Disinfectant Level. See above.	ppm	parts per million (example: one pound of salt in one million pounds of water)
MRDG	Maximum Residual Disinfectant goal. See above.	ppb	parts per billion, equals ppm multiplied by 1,000"
TT	Treatment Technique: a required process intended to reduce the level of a contaminant in drinking water		