

2010 WATER QUALITY DATA

Definitions

In this table, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

Action Level (AL) – the concentration of a contaminant, which if exceeded, triggers treatment of other requirements that a water system must follow.

Maximum Contaminant Level Goal or MCLG – 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.

Maximum Contaminant Level or MCL – 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.

Maximum Residual Disinfectant Level Goal or MRDLG – the level of a drinking water disinfectant below which there are no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Maximum Residual Disinfectant Level or MRDL – the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Not Applicable (N/A) – does not apply to this section

Parts per billion (ppb) or Micrograms per liter (µg/l) – one part by weight of analyte to 1 billion parts by weight of the water sample.

Parts per million (ppm) or Milligrams per liter (mg/l) – one part by weight of analyte to 1 million parts by weight of the water sample

Picocurie per liter (pCi/L) – measure of the radioactivity in water.

This report shows our water quality results and what they mean. If you have any questions about this report or our water utility, please contact:

Mark Dowe Barefoot Bay Water Treatment Plant 334 Egret Cir Sebastian, FL 329767813 Phone: (772) 6641633 or Brevard County Utility Services 2725 Judge Fran Jamieson Way, Suite A213 Viera, FL 32940-6682 Phone:(321)6332093 Website: <http://www.brevardcounty.us/usd> Email: ron.voll@brevardcounty.us

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
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Radioactive Contaminants							
Alpha emitters (pCi/L)	09/2008	N	0.625	N/A	0	15	Erosion of natural deposits
Radium 226 + 228 or combined radium (pCi/L)	9/2008	N	1.375	N/A	0	5	Erosion of natural deposits

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
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Inorganic Contaminants							
Cyanide (ppb)	9/2008	N	3.0	N/A	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride (ppm)	9/2008	N	0.21	N/A	4	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at optimum levels between 0.7 and 1.3 ppm
Sodium (ppm)	9/2008	N	51	N/A	N/A	160	Salt water intrusion, leaching from soil

Stage 1 Disinfectants and Disinfection By-Products

Disinfectant or Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL or MRDL Violation Y/N	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
Chloramines (ppm)	1-12 /2010	N	2.7	0.8-3.8	MRDLG = 4	MRDL = 4.0	Water additive used to control microbes
Haloacetic Acids (five) (HAA5) (ppb)	7/2010	N	14.4	N/A	NA	MCL = 60	By-product of drinking water disinfection
TTHM [Total trihalomethanes] (ppb)	7/2010	N	13.7	N/A	NA	MCL = 80	By-product of drinking water disinfection

Lead and Copper (Tap Water)

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	AL Exceeded (Y/N)	90 th Percentile Result	No. of sampling sites exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	8/2010	N	0.0166	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives



The ultimate authority for decisions is with the Brevard County Board of County Commissioners. We encourage public interest and participation in decisions affecting our drinking water. The Board generally holds regular meetings at the Government Center in Viera on the first and third Tuesday of each month (except June). Meeting dates and times are subject to change. For the most up-to-date information, call (321)633-2001 during regular business hours.

