

# Annual Drinking Water Quality Report

## Barnegat Light Water Department

Report for the Year 2011 Results from the Year 2010

Following is this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. We are pleased to report that our drinking water meets all federal and state safety requirements.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised 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 their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Contaminant	Violation Y/N	Level Detected	Units of Measurement	MC LG	MCL	Likely Source
<b>Radioactives</b>						
Gross Alpha Test results Yr. 2006	No	Range = 0.1 - 1.2 Average = 0.6	pCi/l	0	15	Erosion of natural deposits
Radium 228 Test results Yr. 2006	No	Range = ND - 0.7 Average = 0.2	pCi/l	0	5	Erosion of natural deposits
<b>Inorganics</b>						
Copper Test results Yr. 2008	No	0.06 No samples exceeded the action level.	ppm	13	AL=13	Corrosion of household plumbing systems; erosion of natural deposits
Fluoride Test results Yr. 2009	No	0.2	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead Test results Yr. 2008	No	2 No samples exceeded the action level.	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
<b>Volatile Organic Contaminants / Disinfection Byproducts</b>						
HAA5 Total Haloacetic Acids Test results Yr. 2008	No	Average = 8	ppb	N/A	60	By-product of drinking water disinfection
THM [Total Trihalomethanes] Test results Yr. 2008	No	Average = 5	ppb	N/A	80	By-product of drinking water disinfection
<b>Regulated Disinfectants</b>			<b>Level Detected</b>	<b>MRDL</b>		<b>MRDLG</b>
Chlorine			Average = 0.7	4.0 ppm		4.0 ppm
<b>Sodium</b>						
Sodium Test results Yr. 2010		Range = 35 - 90	Ppm			50

The Barnegat Light Water Department routinely monitors for contaminants in your drinking water according to Federal and State laws. The table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2010. The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

**Regarding the Table:** We have learned through our monitoring and testing that some contaminants have been detected. As you can see by the table, our system had no violations.

**Sodium:** For healthy individuals the sodium intake from water is not important, because a much greater of sodium takes place from salt in the diet. However sodium levels above the Recommended Upper Limit (RUL) may be of concern to individuals on a sodium restricted diet. The Safe Drinking Water Act regulations allow monitoring waivers to reduce or eliminate the monitoring requirements for asbestos, volatile organic chemicals and synthetic organic chemicals. Our system received monitoring waivers for asbestos and synthetic organic chemicals. To ensure the continued quality of your drinking water we use sodium hypo-chloride and gaseous chlorine for disinfection.