

**DEWEY BEACH WATER DISTRICT TEST RESULTS FOR CONSUMER CONFIDENCE REPORT - 2014**

<b>Microbiological</b>	<b>Violation</b>	<b>Level</b>	<b>Unit</b>	<b>MCL</b>	<b>MCLG</b>	<b>Typical source of contaminant</b>
Total Coliform Bacteria	N	0		one positive	0	Naturally present in the environment.
<b>Inorganic Contaminants</b>	<b>Violation</b>	<b>Level</b>	<b>Unit</b>	<b>MCL</b>	<b>MCLG</b>	<b>Typical source of contaminant</b>
Barium**sampled 2013	N	0.1099	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium**sampled 2013	N	2.3	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits.
Copper (see note 1)	N	0.23	ppm	AL=1.3	1.3	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead (see note 1)	N	5.5	ppb	AL=15	0	Corrosion of household plumbing systems; Erosion of natural deposits.
Nitrate*	N	3.2-9.1	ppm	10	10	Runoff from fertilizer use
Fluoride	N	0.1-1.13	ppm	2	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
<b>Volatile Organic Chemicals</b>	<b>Violation</b>	<b>Level</b>	<b>Unit</b>	<b>MCL</b>	<b>MCLG</b>	<b>Typical source of contaminant</b>
Xylenes**sampled 2012	N	0-0.00124	ppm	10	10	Discharge from petroleum factories, chemical factories.
<b>Synthetic Organic Chemicals</b>	<b>Violation</b>	<b>Level</b>	<b>Unit</b>	<b>MCL</b>	<b>MCLG</b>	<b>Typical source of contaminant</b>
Atrazine**sampled 2012	N	0-0.23	ppb	3	3	Runoff from herbicide used on row crops.
Dinoseb**sampled 2012	N	0-0.289	ppb	7	7	Runoff from herbicide used on soybeans & vegetables.
<b>Unregulated Inorganic Contaminants</b>	<b>Violation</b>	<b>Level</b>	<b>Unit</b>	<b>MCL</b>	<b>MCLG</b>	
Alkalinity	N	9.9-49.4 (average 36.2)	ppm			
Chloride	N	11.8-32 (average 24.5)	ppm	250		
Hardness** sampled 2010	N	13.6-24.2 (average 17.6)	ppm			
PH	N	6.9-7.4 (average 7.6)	std. units	6.5-8.5		
Manganese**sampled 2013	N	0.0925	ppm	0.05		
Nickel**sampled 2013	N	0.0023	ppb	100		Occurs naturally in soil
Sodium	N	15.9-31 (average 25.6)	ppm			
Sulfate	N	9.6-18.1 (average 14.2)	ppm			
Total Dissolved Solids** sampled 2010	N	118-224 (average 155)	ppm	500		
<b>Disinfectants and Disinfection By-Products</b>	<b>Violation</b>	<b>Level</b>	<b>Unit</b>	<b>MCL</b>	<b>MCLG</b>	<b>Typical source of contaminant</b>
Chlorine	N	0.3-0.5	ppm	MRDL = 4	MRDLG = 4	Water additive used to control microbes
Total Trihalomethanes (TTHM)**sampled 2010	N	4.432	ppb	80	NA	By-product of drinking water disinfection.
Haloacetic Acids (HAA5)**sampled 2010	N	1.02	ppb	60	NA	By-product of drinking water disinfection.
Note 1: The listed lead and copper concentrations are the 90 <sup>th</sup> percentile value from samples collected in July 2014.						
*Nitrate: Nitrate in drinking water at levels above 10 mg/l is a health risk for infants of less than six months of age. High nitrate levels may cause blue baby syndrome.						
Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask for advice from your health care provider.						
**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.						
If you have any questions about this report or concerning our water utility, please contact Heather Sheridan at (302) 855-7730.						