DEWEY BEACH WATER DISTRICT TEST RESULTS FOR CONSUMER CONFIDENCE REPORT - 2012

Microbiological	Violation	Level	Unit	MCL	MCLG	Typical source of contaminant
Total Coliform Bacteria	N	0		one positive	0	Naturally present in the environment.
Inorganic Contaminants	**Violation**	**Level**	**Unit**	**MCL**	**MCLG**	**Typical source of contaminant**
Barium ** sampled 7/29/2010	N	0.0632-0.0925	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium ** sampled 7/29/2010	N	0.9-3.1	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits.
Copper (see note 1)	N	0.046	ppm	AL=1.3	1.3	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead (see note 1)	N	15	ppb	AL=15	0	Corrosion of household plumbing systems; Erosion of natural deposits.
Nitrate*	N	3.8-9.7	ppm	10	10	Runoff from fertilizer use
Fluoride	N	0-0.87	ppm	2	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nickel** sampled 7/29/2010	N	0.0009-0.001 (average .001)	ppm	0.1		Occurs naturally in soil
Organic Contaminants	**Violation**	**Level**	**Unit**	**MCL**	**MCLG**	**Typical source of contaminant**
Atrazine	N	0-0.23	ppb	3	3	Runoff from herbicide used on row crops.
Dinoseb	N	0-0.289	ppb	7	7	Runoff from herbicide used on soybeans and vegetables.
Volative Organic Chemicals	**Violation**	**Level**	**Unit**	**MCL**	**MCLG**	**Typical source of contaminant**
Xylenes	N	0-0.00124	ppm	10	10	Discharge from petroleum factories, chemical factories.
Unregulated Inorganic Contaminants	**Violation**	**Level**	**Unit**	**MCL**	**MCLG**	
Alkalinity	N	6-54 (average 115)	ppm			
Chloride	N	11.8-28.3 (average 22.4)	ppm	250		
PH	N	6.0-8.5 (average 7.2)	std. units	6.5-8.5		
Manganese** sampled 7/29/2010	N	0.0007-0.0061 (average 0.004)	ppm	0.05		
Sodium	N	14-32.5 (average 22.3)	ppm			
Total Dissolved Solids** sampled 2010	N	118-224 (average 155)	ppm	500		
Disinfectants and Disinfection By-Products	**Violation**	**Level**	**Unit**	**MCL**	**MCLG**	**Typical source of contaminant**
Total Trihalomethanes (TTHM)**sampled 7/28/2010	N	4.432	ppb	80	NA	By-product of drinking water disinfection.
Haloacetic Acids (HAA5)**sampled 7/28/2010	N	1.02	ppb	60	NA	By-product of drinking water disinfection.

Note 1: The listed lead and copper concentrations are the 90th percentile value from samples collected in July 2011. The number of sites over the action level (AL) was 1.

*****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.