

**2011 DEWEY BEACH WATER DISTRICT CONSUMER CONFIDENCE REPORT FOR RESULTS FROM JANUARY- DECEMBER 2010**

| Microbiological   | Max. Level Detected |               | Unit       | MCL          | MCLG    | Typical source of contaminant  |
|---|---------------------|---------------|------------|--------------|---------|--|
|   | Violation           | and/or Range  |            |              |         |  |
| Total Coliform Bacteria   | N                   | 0             |            | one positive | 0       | Naturally present in the environment   |
| <b>Radioactive Contaminants</b>   |                     |               |            |              |         |  |
| Alpha emitters  | N                   | 0.09-3.7      | pCi/l      | 15           | 0       | Erosion of natural deposits  |
| Combined radium   | N                   | 0.62          | pCi/l      | 5            | 0       | Erosion of natural deposits  |
| <b>Inorganic Contaminants</b>   |                     |               |            |              |         |  |
| Barium  | N                   | 0.0632-0.0925 | ppm        | 2            | 2       | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| Chromium  | N                   | 0.9-3.1       | ppb        | 100          | 100     | Discharge from steel and pulp mills; erosion of natural deposits                           |
| Copper (see note 1)   | N                   | 0.063         | ppm        | AL=1.3       | 1.3     | Corrosion of household plumbing systems  |
| Lead (see note 1)   | N                   | 0.0045        | ppm        | AL=15        | 0       | Corrosion of household plumbing systems  |
| Nitrate**   | N                   | 8.4*          | ppm        | 10           | 10      | Runoff from fertilizer use   |
| Fluoride  | N                   | <0.1*         | ppm        | 2            | 0.8-1.2 | Water additive which promotes strong teeth   |
| <b>Synthetic Organic Contaminants including Pesticides &amp; Herbicides</b>   |                     |               |            |              |         |  |
| Di(2-ethylhexyl)adipate   | N                   | 0-1.4         | ppb        | 400          | 400     | Discharge from chemical factories  |
| Di(2-ethylhexyl)phthalate   | N                   | 0-0.8         | ppb        | 6            | 0       | Discharge from rubber and chemical factories   |
| Dinoseb   | N                   | 0-0.7         | ppb        | 7            | 7       | Runoff from herbicide used on soybeans & vegetables  |
| <b>Unregulated Inorganic Contaminants *</b>   |                     |               |            |              |         |  |
| Alkalinity  | N                   | 32            | ppm        |              |         |  |
| Chloride  | N                   | 24.5          | ppm        | 250          |         |  |
| Hardness  | N                   | 8.6           | ppm        |              |         |  |
| Iron  | N                   | 0.08          | ppm        | 0.3          | 0       |  |
| PH  | N                   | 6.7           | std. units | 6.5-8.5      |         |  |
| Sodium  | N                   | 23            | ppm        |              | 0       |  |
| Total Dissolved Solids  | N                   | 178           | ppm        | 500          |         |  |
| Manganese   | N                   | 0.0013        | ppm        |              |         |  |
| Nickel  | N                   | 0.0011        | ppm        |              |         |  |
| Sulfate   | N                   | 12.3-21.8     | ppm        |              |         |  |
| <b>Organic chemicals</b>  |                     |               |            |              |         |  |
| Total Trihalomethanes (TTHM)  | N                   | 4.432         | ppb        | 80           | NA      | By-product of drinking water chlorination.   |
| Haloacetic Acids (HAA5)   | N                   | 1.02          | ppb        | 60           | NA      | By-product of drinking water chlorination.   |
| Methyl Tert-Butyl Ether (MTBE)  | N                   | 1.02          | ppb        | 10           |         | Leaking underground gas & fuel oil tanks   |
| Xylenes   | N                   | 0.00067       | ppb        | 10           | 10      | Discharge from petroleum factories, chemical factories                                     |
| *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.   |                     |               |            |              |         |  |
| **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 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. |                     |               |            |              |         |  |
| Note 1: The listed lead and copper concentrations are the 90 <sup>th</sup> percentile value from samples collected July 24, 2008.   |                     |               |            |              |         |  |
| If you have any questions about this report or concerning our water utility, please contact Heather Sheridan at (302) 855-7730.   |                     |               |            |              |         |  |