

TOWNSHIP OF ABERDEEN  
2010  
CONSUMER CONFIDENCE REPORT  
PWSID: 1330004

**INTRODUCTION**

The Township of Aberdeen is pleased to present to you the 2010 Annual Consumer Confidence Report (CCR). This report covers the period of January to December 2010. This CCR provides important information about your drinking water and we encourage you to read it carefully.

**OUR WATER**

The Township's water system has no individual wells or treatment facilities, but rather receives its water from Matawan Borough

Please be aware that although the Township of Aberdeen does not possess a source of water of its own, all the water purchased is treated using chlorination and filtration to remove or reduce harmful contaminants and it is also treated to control taste and odor.

Sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As the water travels over the surface of the land or under the ground, it can pick up substances resulting from the presence of animals or from human activity, and also from natural occurring minerals.

**PRESENCE OF CONTAMINANTS**

The Township of Aberdeen receives monitoring reports from all sources describing all the constituents found in our drinking water supply according to the State and Federal laws for your safety and benefit.

Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations urban stormwater runoff and septic systems.

Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA prescribed regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

**HEALTH NOTE**

**Some people may be more vulnerable to contaminants in the drinking water than the general population. Immunocompromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune deficiency disorders. Some infants and the elderly can be at risk from infections. These people should seek advice from their health care providers. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.**

**DEFINITIONS**

**Non-Detected (ND)**-laboratory analysis indicated that the constituent is not present

**Part per million (ppm) or Milligrams per liter (mg/l)**-one part per million corresponds to one minute in two years or a single penny in \$10,000, or one inch in 16 miles.

**Parts per billion (ppb) or Micrograms per liter (ug/l)**-one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000 or one inch in 16,000 miles.

**Treatment Technique (TT)**-a treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

**Maximum Contaminant Level (MCL)**

The maximum allowed is the highest level of a contaminant that is allowed in the drinking water. MCL's are set as close to the MCGL's as feasible using the best treatment technology.

**Maximum Contaminant Level Goal (MCGL)**-The goal is the level of a contaminant in drinking water below which there is no known expected risk to health. MCGL's allow for a margin of safety.

**Action Level**-the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Picocuries per liter (pCi/L)**-A measure of the radioactivity in the water.

**Recommended upper level**-The level of a contaminant in drinking water above which the taste, appearance or use of the water becomes lower in quality. These contaminants do not have MCL's because they are not associated with health risks.

**Waiver**-The State's permission to reduce monitoring frequency because previous results have consistently been below the MCL.

**Nephelometric Turbidity Units (NTU)**

a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

**Recommended Upper Limit (RUL)**-recommended maximum concentration of secondary contaminants. These reflect aesthetic qualities such as odor, taste or appearance. RUL's are recommendations, not mandates.

**Secondary Contaminant**-Substances that do not have an impact on health. Secondary contaminants effect aesthetic qualities such as odor, taste or appearance. Secondary standards are recommendations, not mandates.

<= less than the detection limit of the analytical method

**SPECIAL CONSIDERATIONS REGARDING CHILDREN, PREGNANT WOMEN, NURSING MOTHERS AND OTHERS**

Children may receive a slightly higher amount of a contaminant present in the water than do adults, on a body weight basis, because they drink a greater amount of water per pound of body weight than do adults. For this reason, reproductive or developmental effects are used for calculating a drinking water standard if these effects occur at lower levels than other health effects of concern. If there is insufficient toxicity information for a chemical ( for example, lack of data on reproductive or developmental effects), an extra uncertainty factor may be incorporated into the calculation of the drinking water standard, thus making the standard more stringent, to account for additional uncertainties regarding these effects. In the cases of lead and nitrate, effects on infants and children are the health end points upon which the standards are based.

**NITRATE**-Nitrate in drinking water at levels above 10 PPM is a health risk for infants of less than six months of age. High nitrate levels in drinking water can 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.

**LEAD**-If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Aberdeen Township is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information in drinking water is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>

**MATAWAN BOROUGH**

CONTAMINANT	MCLG	MCL	HIGHEST DETECTED LEVEL	RANGE DETECTED	VIOLATION	SOURCE
<b>LEAD AND COPPER</b>						
		ACTION LEVEL	DETECTED @90%			
COPPER(2008)	1.3	1.3	.08		NO	CORROSION OF PLUMBING
LEAD(2008)	0	15	2		NO	CORROSION OF PLUMBING
<b>DISINFECTANTS</b>						
CHLORINE	MRDLG=4	MRDL=4	2.2	.17-2.2	NO	WATER ADDITIVE
<b>DISINFECTION BYPRODUCTS</b>						
TOTAL TRIHALOMETHANES	0	80	191	35-191	NO	BY PRODUCT OF DRINKING WATER CHLORINATION
HAA5	NA	60	110	13.6-110	NO	BY PRODUCT OF DRINKING WATER CHLORINATION
<b>RADIOLOGICAL SUBSTANCES</b>						
ALPHA EMITTERS(2006)	0	15		0.10-0.94	NO	EROSION OF NATURAL DEPOSITS
COMBINED RADIUM 226 AND 228(2006)	0	5		0.22-0.75	NO	EROSION OF NATURAL DEPOSITS

**ABERDEEN TOWNSHIP WATER DEPARTMENT**

CONTAMINANT	MCL	MCLG	HIGHEST LEVEL DETECTED IN ONE MONTH	VIOLATION	MAJOR SOURCE
<b>TOTAL COLIFORMS</b>	PRESENCE IN MORE THAN ONE SAMPLE	0	0	NO	NATURALLY PRESENT IN THE ENVIRONMENT

CONTAMINANT	MCLG	MCL	ANNUAL AVG	VIOLATION	MAJOR SOURCE
<b>TRIHALOMETHANES</b>	0	80	70	NO	BYPRODUCT OF DISINFECTION
<b>HALOACETIC ACID</b>	NA	60	18	NO	BYPRODUCT OF DIINFECTION

CONTAMINANT	MCLG	MCL	90 <sup>TH</sup> %	VIOLATION	MAJOR SOURCE
<b>LEAD</b>	0	.015	.0014	NO	CORROSION OF HOUSEHOLD PLUMBING
<b>COPPER</b>	1.3	1.3	.176	NO	CORROSION OF HOUSEHOLD PLUMBING

**SOURCE WATER ASSESSMENTS**

The New Jersey Department of Environmental Protection has completed and issued the Source Water Assessment Report and Summary for this water system. This report is available at [www.state.nj.us/dep/swap](http://www.state.nj.us/dep/swap) or by contacting the NJDEP, Bureau of Safe Drinking Water at 609-292-5550. The source water assessment on the Aberdeen Township Water System determined the following;

We have a low to high susceptibility rating for this water system.

If you have any questions concerning this report or questions about your water quality, please feel free to contact Robert Brady, Director of Public Works, at 583-4200 (ext. 400).