

Sea Breeze & Vicinity Water District
 400 Seneca Road
 Rochester, N.Y. 14622

2011 Annual Water Quality Report



Sea Breeze &
 Vicinity Water
 District

ID# 2701118



SBWD

2011 Annual Water Supply Statement

The Sea Breeze & Vicinity Water District is pleased to provide this information in conformance with New York State and EPA annual water quality report requirements. The statement includes information on water quality, quantity, treatment, conservation, and State Health Department public education information.

The Sea Breeze & Vicinity Water District was created to finance, construct, operate and maintain a water supply system for the benefit of the residents of Sea Breeze and the surrounding area.

The District was originally created on March 30, 1914, upon petition of the residents filed during the previous month. The layout of the District and the water supply system was submitted to the Conservation Commission in April 1914, and was approved by them. A charter was granted and the District was officially formed. The District is to have three elected non-political Commissioners, separate from the Town Board, and their terms of office so staggered that one of the Commissioners terms would be up for re-election each year, though each term of office would be for three years.

Water that is used within the District is purchased from the Monroe County Water Authority.

A complete staff is maintained 24 hours a day and is fully equipped to handle any emergency. The Commission is constantly seeking ways and means of furnishing adequate pure water for all domestic and fire fighting needs as economically as possible.



2011 Data Summary Sea Breeze & Vicinity Water District

FREE CHLORINE (Mg/l)	TURBIDITY (Ntus)
Avg. 0.8	Avg. 0.09
Min. 0.1	Min. 0.04
Max. 1.0	Max. 0.63
# Of Samples: 120	# Of Samples: 120
Highest Coliform Positive month	
None Detected	

Water Quality

Drinking water sources (both tap and bottled water) include lakes, reservoirs, rivers and streams, springs and wells. As water travels over land or through the ground, it dissolves naturally occurring minerals and can pick up substances resulting from animal or human activity. Contaminants that may be present in untreated water include inorganic and organic chemicals, pesticides and herbicides, and radioactive and microbiological contaminants.

In order to ensure that your tap water is safe to drink, the State and the EPA have established regulations that set limits on contaminant levels in water provided by public water systems. These limits are known by Maximum Contaminant Levels (MCLs). The EPA regulations also specify testing, reporting, and public notification requirements for each contaminant.

MCWA's monitoring program substantially exceeds EPA and State Health Department requirements. In addition, the Monroe County Health Department reviews all of our operating and monitoring data for compliance and independently monitors our distribution system. Our water source is surface water drawn from Lake Ontario. It is first filtered and disinfected by the MCWA's (Monroe County Water Authority) Shormont Treatment Plant located in the Town of Greece. In 2011, as in years past, there were no treatment plant violations, distribution system violations or any restriction of our water source. **The water we provide to our customers consistently meets or exceeds all State Health Department and EPA drinking water standards. Fluoride is also added to help prevent tooth decay.**

Some of the constituents we tested for were detected, but at levels well below the allowable MCL. A table of detected contaminants is provided on the following page (*See Water Quality Table*). A more detailed summary of our monitoring program can be found by unfolding this pamphlet. It's important to remember all drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Additional information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791 or the Monroe County Health Dept. at 585-753-5057.

report, your water bill, or if you would like to know when our next public board meeting is to be held, call our Customer Service Department at 467-6341.

Some people may be more vulnerable to disease-causing microorganisms or pathogens in drinking water than the general

population. Immuno-compromised persons such as chemotherapy patients, organ transplant recipients, 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 from their health care providers about drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia, and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791) or the Monroe County Health Department, 111 Westfall Road, Rochester, NY 14692 (753-5057).

Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women, infants and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. Sea Breeze Water District is responsible for providing high quality drinking water, but cannot control the variety of material 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 lead tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at: [www://www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

Softeners

Water hardness is a measure of the mineral content of water. Our water, which has a Total Hardness of between 5.6 and 7.6 grains per gallon, is considered "moderately hard". This is one notch up from "soft" on the standard scale - a water softener isn't necessary.

Home Treatment Units

Don't let anyone pressure you into buying something by telling you your water is not safe. The water we provide to you is consistently better than drinking water regulations require.

Conservation

Lake Ontario is our direct connection to the Great Lakes which contain 20% of the world's fresh water. Even with this abundance, we need to use water wisely. It takes energy and resources to treat and deliver the water to your home. Fixing leaky faucets and toilets or watering your lawn at night instead of during the day can save thousands of gallons of water over the course of a year. If you're interested in water saving tips call our Customer Service Department at 467-6341.

Key Terms Used In Water Quality Table

MCL = Maximum Contaminant Level, the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as possible.

MCLG = Maximum Contaminant Level Goal, the level of a contaminant below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL = Maximum Residual Level, the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG = Maximum Residual Disinfectant Level Goal, the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

pCi/L = picoCuries per liter

TT = Treatment Technique, a required process intended to reduce the level of a contaminant in drinking water.

Fluoride

MCWA is one of the many New York water utilities providing drinking water with a controlled, low level of fluoride for consumer dental health protection. According to the U.S. Centers for Disease Control, fluoride is very effective in preventing cavities when present in drinking water at an optimal range from 0.8 to 1.2 mg/L. To ensure optimal dental protection, the State Department of Health requires that we monitor fluoride levels on a daily basis. In 2011 the fluoride levels in your water were in the optimal range 95% of the time. The highest monitoring result was 1.1mg/L, well below 2.2mg/L for fluoride.

2011 SBWD Facts & Figures

Average System Use	650,000 Gallons Per Day
Total Produced	240 Million Gallons
Unaccounted For Water*	6,000 Gallons Per Day
Cost Per 1,000 Gallons	\$2.59
Population Served	9,900
Number of Accounts	3,129
Miles of Water Main	80
Number of Fire Hydrants	270

*Maintenance, Flushing, Firefighting, Leaks

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

ND = Not Detected, absent or present at less than testing method detection level. All testing methods are EPA approved with detection limits much less than the MCL.

NA = Not applicable **NR** = Not Required
NS = No standard

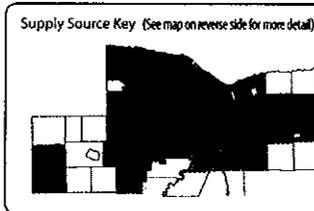
mg/L = milligram (1/1,000 of a gram) per liter
= ppm = parts per million

ug/L = microgram (1/1,000,000 of a gram) per liter
= ppb = parts per billion

ng/L = nanogram (1/1,000,000,000 of a gram) per liter
= ppt = parts per trillion

NTU = Nephelometric Turbidity Unit, a measure of water clarity.

MCWA WATER QUALITY TABLE								2011 RESULTS EXCEPT AS NOTED
DETECTED SUBSTANCES		Shoremont WTP (L Ontario)	Corfu WTP (Well)	Shoremont WTP (L Ontario)	Purchased Water (L Erie & Niagara R.)	LIKELY SOURCE		
SUBSTANCES	UNITS	MCLG	MCL	RANGE OF DETECTED VALUES				
Barium	ppm	2	2	0.020-0.022	0.085-0.17	0.015-0.018	0.022	Erosion of natural deposits
Chloride	ppm	NA	250	25-29	40-58	30-36	21-25	Naturally occurring
Fluoride	ppm	NA	2.2	0.2-1.4	NR	ND-1.3	0.4-1.0	Natural and additive - promotes strong teeth
Manganese	ppm	NA	300	ND-2	4.5-13	ND	ND-5.6	Naturally occurring
Nitrate	ppm	10	10	0.23-0.37	ND	0.15-0.3	ND-0.23	Erosion of natural deposits
Sodium	ppm	NS	NS	14	28-95	18-19	10-16	Naturally occurring
Sulfate	ppm	250	250	26	55	14	21	Naturally occurring
ORGANICS, PESTICIDES, HERBICIDES								
Caffeine	ppm	NS	NS	4 (2008)	NR	ND (2008)	NR	Pharmaceutical
Cotinine	ppm	NS	NS	2.1 (2008)	NR	1.7 (2008)	NR	Pharmaceutical
Triclosan	ppm	NS	NS	ND (2008)	NR	5.8 (2008)	NR	Personal care products
TREATMENT REQUIREMENTS - 95% OF SAMPLES EACH MONTH MUST BE LESS THAN THE RANGE AND LOWEST MONTHLY PERCENTAGE ARE LISTED. TURBIDITY IS A MEASURE OF WATER CLARITY AND IS USED TO GAUGE FILTRATION PERFORMANCE.								
Turbidity - Entry Point	NTU	TT	TT	0.04-0.09 100%	NA	0.04-0.15 100%	0.06-0.41 99.4%	Soil Runoff
MICROBIAL - NO MORE THAN 5% OF MONTHLY SAMPLES CAN BE POSITIVE. THE HIGHEST MONTHLY % POSITIVE IS LISTED.								
Coliform	ppm	5%	5%	0.5% Sept	2.4% Aug	0.5% Sept	2.4% Aug	Naturally occurring
DISINFECTANT AND DISINFECTANT BY PRODUCTS - AVERAGE AND RANGE ARE LISTED. CHLORINE HAS A MAXIMUM RESIDUAL DISINFECTANT LEVEL AND A MRDL. MORE GOAL RATHER THAN MCL AND MCLG.								
Chlorine Residual - Entry Pt	ppm	4*	4*	1.1 (0.8-1.5)	0.7 (0.5-1.0)	1.0 (0.6-1.5)	1.5 (1.0-2.1)	Additive for control of microbes
Total THMs	ppm	80	80	34 (26-61)	33 (21-52)	39 (22-68)	33 (21-52)	By-product of water chlorination
Haloacetic Acids	ppm	60	60	12 (4-26)	10 (4-17)	19 (11-27)	10 (4-17)	By-product of water chlorination
LEAD AND COPPER - 90% OF SAMPLES MUST BE LESS THAN THE ACTION LEVEL (AL). THE 90TH PERCENTILE AND THE NUMBER OF SAMPLES EXCEEDING THE AL ARE LISTED.								
Copper (Customer Tap Samples)	ppm	AL=1.3	AL=1.3	0.100 None (2009)	0.144 None (2009)	0.100 None (2009)	0.144 None (2009)	Corrosion of household plumbing
Lead (Customer Tap Samples)	ppm	AL=15	AL=15	4.3 None (2009)	1.7 None (2009)	4.3 None (2009)	1.7 None (2009)	Corrosion of household plumbing



Note: The following contaminants were tested for but not found: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2-Tetrachloroethane, 1,1,2-Dichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1,2-Trichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 1,3-Dichloropropane (cis), 1,3-Dichloropropane (trans), 1,3-Dimethylbenzene, 1,4-Dichlorobenzene, 2,2-Dichloropropane, 2,4-D, 2,4-DT, 2,4,6-Trinitrotoluene (TNT), 2-Chlorotoluene, 3-Hydroxycarborane, 4,4'-DDO, 4,4'-DDE, 4,4'-DDT, 4-Chlorotoluene, Acetochlor, Acetaminophen, Aldicarb Sulfone, Aldicarb Sulfate, Aldrin, Aluminum, Antimony, Arsenic, Atrazine, Benzene, Benzofluorene, Beryllium, Bromobenzene, Bromochloromethane, Bromomethane, Butachlor, Cadmium, Carbamazepine, Carbaryl, Carbaryl, Carbon Tetrachloride, Chlordane, Chlorobenzene, Chloroethane, Chloromethane, Chromium, cis-1,2-Dichloroethene, Cryptosporidium, Dieldrin, DCPA, Dalapon, DBCP (Di-2-Ethylhexyl) Adipate, Di(2-Ethylhexyl) Phthalate, Diazepam, Dibromomethane, Dikamba, Dichlorodifluoromethane, Dichloromethane, Dieldrin, Dimethylacetate, Dinoseb, Diquat, Endosulf, Endrin, Estrone, Estradiol, Ethinyl Estradiol, Ethylbenzene, Fluoxetine, Gemfibrozil, Giardia, Glyphosate, Gross Alpha, Gross Beta, Heptachlor, Heptachlor epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Hexachlorocyclopentadiene, Isopropyl Alcohol, Lindane, Isonitro, Manganese, Mercury, Methylchlor, Methylchlor, Methylchlor, MIBK, n-Butylbenzene, Nickel, Nitrite, n-Propylbenzene, Oxydemeton, Oxydemeton, Paracetamol, PCBs, Pentachlorophenol, Perchlorate, Picloram, p-Isooctylphenol, Progesterone, Propachlor, RDX, sec-Butylbenzene, Selenium, Silver, Simazine, Styrene, Sulfamethoxazole, Surfactants, Tetrafluoroethane, tert-Butylbenzene, Testosterone, Tetrachloroethane, Thallium, Toluene, Toxaphene, trans-1,2-Dichloroethene, Trichloroethene, Trichloroethoxyethane, Trimethoprim, Triam, Vinyl Chloride, Xylene, Zinc

For more information on MCWA's monitoring program call Customer Service at 585-442-7200.

NEW YORK STATE WATER ASSESSMENT PROGRAM

The NYS DOH has evaluated the susceptibility of water supplies statewide to potential contamination under the source water assessment program (SWAP). The assessment for M.C.W.A.'s Lake Ontario source did not find any noteworthy potential threats of contamination. While an inventory of the land area near the Lake Ontario intakes found numerous potential sources of contamination, The intakes are far enough from the shore to not be directly impacted by shoreline activities. Because storm and wastewater contamination remain potential threats to any source water, the water provided to you undergoes rigorous treatment and testing prior to its delivery. For more information on the SWAP summary and how you can help protect the source of drinking water visit www.mcwa.com

CHARIMAN
VICE-CHAIRMAN
SECRETARY

JEFFREY CHAMPION
JERROLD PLATT
DAVID MICHELS

MAP OF SERVICE AREA

READ YOUR METER:



We ask that all customers be diligent in reading their meter. Meters that go unread for long periods of time can be very costly to the homeowner and or the Water District, so please read your meter. If you need assistance either reading or locating your meter, please contact our office at (585) 467-6341 and we will gladly assist you.

ESTIMATED READ FEE:

Effective 8/15/2010 the Water District will be requiring that every meter be read each quarter to ensure accurate billing. The District will continue to mail out read cards to all residents for you to fill out and return to our office. If you wish to call in your reading you may do so as well at 467-6341. You can also submit your Reading on our website at www.seabreezevalley.org.

If the District does not obtain a reading in any quarter your account will be billed \$25.00 for each estimated read. If you cannot read your meter or wish to be placed on a special read list which would allow a District Representative to come to your home and read your meter, please call our office at 467-6341 and our Billing Clerk can assist you.



vicinity Water District

WHY SAVE WATER AND HOW TO AVOID WASTING IT:

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water. For example:

Saving water saves energy and some of the costs associated with both of these necessities of life.

Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers.

Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using and for looking for ways to use less whenever you can. It is not hard to conserve water.

Conservations tips include:

Automatic dishwashers use 1.5 gallons every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.

Turn off the tap when you are brushing your teeth.

Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fixing drips alone could save over 6,000 gallons a year.

Check your toilets for leaks. This can be done by putting a few drops of food coloring in the tank watch for a few minutes and if the color appears in the bowl then the toilet is leaking. Toilets can lose up to 100 gallons a day from these invisible leaks. Fix the leak and you be saving up to 30,000 gallons in one year.

Use your water meter to detect leaks. Simply turn off all taps and water using appliances in the evening before bed and take a meter read. When you wake in the morning get another reading and see if the amount has changed.

SYSTEM IMPROVEMENTS:

In 2011, the Water District replaced 94 old galvanized water services and 100 non-registering water meters throughout the District.

The District also replaced numerous old valves and installed new valves in areas that needed valves and performed Hydrant operation and maintenance.

In 2012, District improvements include: Installing new Remote Read Meters in each home and business in the District as well as installing leak detection equipment throughout the District. This will enable the District to receive accurate readings throughout the year saving the District and its residents revenue. Also, the Water Tank will be painted this summer as well. The District will also be looking to replace old valves on Walnut Park, Forest Avenue and Hoffman Road. This will be done in an effort to isolate smaller areas of the District in the event of an emergency shut down.

DESCRIPTION OF SERVICES:

Below is a list of services that the Water District provides its residents at no cost. Most other water districts charge for these services including the Monroe County Water Authority.

<u>SERVICE</u>	<u>COST</u>
Meter test at customers request	\$0.00
Seasonal meters	\$0.00
Temporary water service	\$0.00
Tanker supply	\$0.00
Discontinuance for non-compliance	\$0.00
Discontinuance for unpaid water	\$0.00
Water sample at customers request	\$0.00
Water sample pick up	\$0.00
New account fee	\$0.00
Well separation. Maintaining a well on your property.	\$0.00

SERVICE CALLS:

The Sea Breeze & Vicinity Water District will make every attempt to cater to a specific time that you would like one of our service people at your home. We know and understand that we all have very busy schedules and making a customer stay home for upwards of half a day (like many other utility companies) waiting for a service person is not acceptable. We are very proud of the customer service that we are able to provide.

CLOSING:

The Sea Breeze & Vicinity Water District has always prided itself on outstanding customer service. We ask that if any resident has any issue that needs to be addressed that you contact the District directly. As part of an ongoing commitment, the Board of Commissioners is constantly seeking ways to cut costs to the District residents. In the past 17 years it has been policy to use District personnel for all improvement projects saving the District revenue. In order to keep our rates in check, it's important that the meters are read on a regular basis. Our personnel reads 1/3 of the District every year, meaning that District personnel reads the entire District every three years.

The Sea Breeze & Vicinity Water District would like to thank you for letting us continue to provide our family with quality drinking water. We ask that all customers help us protect our water resources, which are the heart of our community. If you have any questions about this report or about your bill, please call our customer service department at (585) 467-6341 or check the web site at www.seabreezewater.org

Thank you,
Lindsay Purnam
Superintendent