Artesian Water Company
664 Churchmans Road
Newark, DE 19702

If you have questions or comments about your water service or quality, please contact Artesian Water Maryland at (443) 245-7777 toll free at (800) 332-5114 or e-mail us at artesian@artesianwater.com. Information about Artesian Water can also be found at our web site: www.artesianwater.com

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THE ARTESIAN PIPELINE

SPRING 2009

Dear Customer,

We are pleased to present our 11th annual *Water Quality Report* in this edition of The Artesian Pipeline. The United States Environmental Protection Agency (EPA) and the Maryland Division of the Environment (MDE) require that we prepare a Water Quality Report each year.

This report provides you with information on what contaminants, if any, are found in your drinking water and how they may affect your health. You will also learn about what it takes to deliver safe drinking water and get information that will help you make informed decisions about your drinking water. In addition, the 2008 results from our monitoring and testing data for your water source, is included.

Supplying safe drinking water to more than 250,000 people requires regular maintenance and upgrades to our facilities. Still, you pay less than a penny per gallon to receive high-quality tap water that also provides public health protection, fire protection, and support for the economy and your quality of life.

Artesian takes its responsibility to supply high-quality water very seriously, and we pledge to continue our best efforts on your behalf. If you have any questions about this report or the quality of your water, please call us at (443) 245-7777. Our Customer Service Representatives, as well as our Water Quality Department headed by Chad Hall, are ready to assist you.

For your convenience, we also post our *Water Quality Reports* on our website at *www.artesianwater.com*.

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WATER SUPPLY PROGRAM
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WATER QUALITY REPORT

Information concerning the public water systems of Artesian Water Maryland

CARPENTER'S POINT

A Safe Water Source

The Carpenter's Point public water system is supplied with water from two wells located in Cecil County. These wells are in the Potomac formation. Our ground water wells use the natural filtering capability of the aquifer to remove harmful bacteria and other substances from the water. These wells are located in confined aquifers that provide additional protections from surface-borne contaminants. The treatment station at Carpenter's Point uses the best available technology to ensure that we are providing water that meets or exceeds all Environmental Protection Agency (EPA) and Maryland Department of the Environment (MDE) water quality parameters. Regular testing also helps us ensure high quality.

Further evaluation of the state's water supply is made available by the Maryland Department of the Environment (MDE), through a program designed to assess the susceptibility of public water sources to contamination. MDE's source water assessment plan has been completed and approved by the EPA. Copies can be obtained by contacting Chad Hall of Artesian's Water Quality Department at (800) 332-5114.

Expected Substances and Health Risks

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals, or radioactive substances. 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 water poses a health risk.

To ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations have established limits for bottled water, which must provide the same protection for public health.

For more information about contaminants and potential health effects, call the EPA's Safe Drinking Water Hotline at 1-800-426-4791.

If You Have A Special Health Concern

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, 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 about drinking water from their health care providers.

Radon

Radon is a radioactive gas that is found in nearly all soils. It typically moves up through the ground to the air and into homes through the foundation. Drinking water from a ground water source can also add radon to the home air.

The EPA indicates that, compared to radon entering the home through soil, radon entering the home through water will in most cases be a small source of risk. The EPA and the State of Maryland have not yet set standards for monitoring radon in drinking water, although we do expect sampling to become mandatory in the near future. Artesian is keeping a close eye on the situation and will be sure to comply with any new regulations as required.

Questions?

If you have any questions about the contents of this report, please call Artesian Water at (443) 245-7777. Artesian representatives are also available to speak to interested groups about water quality and our treatment processes. Please call to make an appointment for a presentation.

Community Outreach and Education

Artesian Water has an experienced staff that can speak about topics such as conservation, water supply, treatment, water quality and testing, wastewater treatment, and other water related subjects. They are available to present our "Water Conservation and Education Program" to fourth grade students, as well as work with teachers of all grades to present educational programs that fit their needs.

Our staff is available for community programs where our water conservation exhibit and enviroscape and groundwater models can be set up to educate the public on preserving, protecting, and conserving water.

For more information or to arrange for a speaker for a school program or event, free of charge, please contact Joanne Rufft, Director of Community Relations and Environmental Initiatives at (800) 332-5114, extention 7144, or by e-mail at jrufft@artesianwater.com."

Water Quality Report for Carpenter's Point

PUBLIC WATER SYSTEM I.D. MD0070003

	Unit of Measure	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Highest Level Detected	Annual Range	Major Sources
Inorganic Contaminants						
Barium	ppb	2000	2000[4]	32	n/a	Discharge of drilling wastes or metal refineries. Erosion of natural deposits.
Fluoride	ppm	2	2[4]	0.1	nd – 0.1	Erosion of natural deposits.
Nitrate	ppm	10	10[4]	4.2	3.7 – 4.2	Runoff from fertilizer use. Erosion of natural deposits.
Turbidity[1]	ntu	5	1	0.3	nd – 0.3	Soil runoff.
Organic Contaminants						
Di(ethylhexyl)phthalate	ppb	6	0	0.1	n/a	Discharge from industrial chemical factories.
Disinfection/ Disinfection By-Products						
Chlorine (free and total)	ppm	4 (MRDL)	4 (MRDLG)[3]	0.9	0.2 – 0.9	Disinfectant used in drinking water industry.
Lead & Copper[2]						
90th Percentile Lead	ppb	15	0	nd	nd[2]	Corrosion of household plumbing systems. Erosion of natural deposits.
Number of Sites exceeding Lead Action Level				0		
90th Percentile Copper	ppb	1300	1300[2]	541	88 – 604[2]	Corrosion of household plumbing systems. Erosion of natural deposits.
Number of Sites exceeding Copper Action Level				0		
Unregulated Contaminants						
Alkalinity, total	ppm	n/r		38	n/a	
Carbon dioxide, free	ppm	n/r		5.1	n/a	
Chloride	ppm	n/r	250	8.6	n/a	
Conductivity	umhos	n/r		133	n/a	
Hardness, Calcium	ppm	n/r		10	n/a	
Hardness, Total	ppm	n/r		46	n/a	
Iron	ppb	n/r	300	30	nd – 30	
Manganese	ppb	n/r	50	33	n/a	
Nickel	ppb	n/r		67	n/a	
pH, Field	0 - 14 scale	n/r	6.5 – 8.5	7.1	n/a	
Phosphate, total	ppm	n/r		0.2	n/a	
Sodium	ppm	n/r		18.4	n/a	
Solids, total dissolved	ppm	n/r	500	79	n/a	
Zinc	ppb	n/r	5000	76	n/a	

Microbiological Contaminants—Total Coliform

Highest Number of Positive Samples in any one month.
Negative results in 100% of monthly samples collected. One (1) coliform sample per month is taken.

Major Sources: Naturally present in the environment.

Notes

1 This MCL applies only to surface water systems.

2 Range of all lead and copper samples collected.

3 The U.S. Environmental Protection Agency sets the MRDLG for chlorine residual at 4 parts per million (ppm). Artesian Water strives to meet a range between 0.5 ppm and 3 ppm.

4 Although EPA sets the "goal" at the same level as the maximum contaminant level for these contaminants, Artesian Water strives to maintain levels lower than the MCL.

Definitions of Terms

90TH PERCENTILE — the 90th highest reading (out of a total of 100 samples), which is used to determine compliance with the Lead and Copper Rule.

ACTION LEVEL — the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

MAXIMUM CONTAMINANT LEVEL (MCL) — the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) — the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MAXIMUM RESIDUAL DISINFECTANT LEVEL (MRDL) — the highest level of a disinfectant in drinking water. There is convincing evidence that addition of a disinfectant is necessary for the control of microbial contaminants.

MAXIMUM RESIDUAL DISINFECTANT LEVEL GOAL (MRDLG) — 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 contaminants.

NEPHELOMETRIC TURBIDITY UNIT (NTU) — a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

NON-DETECTS (ND) — laboratory analysis indicates that the constituent is not present.

NOT REGULATED (N/R) — no MCL identified because these substances are unregulated.

PARTS PER MILLION (PPM) — 1 part per million corresponds to 1 minute in 2 years or a single penny in $10,000.

PARTS PER BILLION (PPB) — 1 part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

PICOCURIES PER LITER (PCI/L) — a measure of the radioactivity in water.

The following chemicals were tested for but not found during 2008:

Inorganic Contaminants
Aluminum
Antimony
Arsenic
Beryllium
Cadmium
Chromium
Color, Apparent
Cyanide
Mercury
Nitrite
Odor (Threshold Odor)
Selenium
Silver
Sulfate
Surfactants, MBAS
Thallium

Radiological Contaminants
Gross Alpha emitters
Gross Beta emitters

Disinfection By-Products
Bromodichloromethane
Bromoform
Chloroform
Dibromochloromethane

Synthetic Organic Contaminants (Pesticides and Herbicides)
2,4,5-TP (Silvex)
2,4-D
3-Hydroxycarbofuran
4,4'-DDD
4,4'-DDE
4,4'-DDT
Acenaphthene
Acenaphthylene
Alachlor
Aldicarb
Aldicarb Sulfone
Aldicarb Sulfoxide
Aldrin
alpha-BHC
alpha-Chlordane
Anthracene
Atrazine
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
beta_BHC
bis(2-chloroethyl) ether (BCEE)
Butachlor
Butylbenzylphthalate
Carbaryl
Carbofuran
Chlordane
Chrysene
Dalapon
delta-BHC
Di(ethylhexyl)adipate
Dibenzo(a,h)anthracene
Dibromochloropropane
Dicamba
Dieldrin
Diethylphthalate
Dimethyl phthalate
Di-n-octyl phthalate
Di-n-octyl phthalate
Dinoseb
Endosulfan I
Endosulfan II
Endosulfan sulfate
Endrin
Endrin aldehyde
Ethylene Dibromide
Fluoranthene
Fluorene
gamma-Chlordane
Heptachlor
Heptachlor Epoxide
Hexachlorobenzene
Hexachlorocyclopentadiene
Indeno(1,2,3-cd)pyrene
Lindane
Methomyl
Methoxychlor
Metolachlor
Metribuzin
Oxamyl (Vydate)
PCB's
Pentachlorophenol
Phenanthrene
Picloram
Propachlor
Pyrene
Simazine
Toxaphene
Trifluralin

Volatile Organic Contaminants
1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,1-Dichloropropene
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3,5-Trimethylbenzene
1,3-Dichlorobenzene
1,3-Dichloropropane
2,2-Dichloropropane
2-Butanone (MEK)
2-Chloroethylvinyl Ether
2-Chlorotoluene
2-Hexanone
3-chloro-1-propene
4-Chlorotoluene
4-Isopropyltoluene
Acetone
Acrylonitrile
Benzene
Bromobenzene
Bromochloromethane
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromomethane
Dichlorodifluoromethane
Ethyl methacrylate
Ethylbenzene
Hexachlorobutadiene
Iodomethane
Isopropylbenzene
m,p-Xylene
Methyl Isobutyl Ketone (MIBK)
Methyl methacrylate
Methylene Chloride
Naphthalene
n-Butylbenzene
n-Propylbenzene
o-Xylene
para-Dichlorobenzene
sec-Butylbenzene
Styrene
tert-Butylbenzene
Tetrachloroethene
Tetrahydrafuran (THF)
Toluene
tr-1,2-Dichloroethene
tr-1,3-Dichloropropene
tr-1,4-Dichlorobutene
Trichloroethene
Trichlorofluoromethane
Vinyl acetate
Vinyl chloride
Xylenes, total