

WSSC TAP WATER ANALYSIS - 2011

PATUXENT WATER FILTRATION PLANT					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
<u>GENERAL WATER QUALITY</u>					
Alkalinity	mg/L	33	40	26	
Color	Units	0	5	0	
Hardness	mg/L	59	78	48	
pH	S.U.	7.4	7.9	7.2	
Specific Conductance	MicroSiemens/cm	212	376	176	
Temperature	° C	15.8	28.5	3.8	
Threshold Odor	Units	1.0	1.4	1.0	
Turbidity ¹	NTU	0.02	0.09	0.01	NTU 95% of time
Geosmin	ng/L	5.5	20.3	n/d	
2-Methylisoborneol	ng/L	4.1	14.5	n/d	
<u>METALS</u>					
Aluminum	µg/L	18	65	8	
Antimony	µg/L	n/d	n/d	n/d	6
Arsenic	µg/L	n/d	n/d	n/d	10
Barium	µg/L	25	29	22	2000
Beryllium	µg/L	n/d	n/d	n/d	4
Cadmium	µg/L	n/d	n/d	n/d	5
Calcium	mg/L	15.5	22.9	11.6	
Total Chromium	µg/L	n/d	<2	n/d	100
Hexavalent Chromium	ng/L	35	62	n/d	
Copper	µg/L	18	40	13	
Iron	mg/L	n/d	<0.2	n/d	
Lead	µg/L	n/d	n/d	n/d	
Magnesium	mg/L	5.0	6.0	3.8	
Manganese	µg/L	<2	49	n/d	
Mercury	µg/L	n/d	n/d	n/d	2
Nickel	µg/L	n/d	<2	n/d	
Potassium	mg/L	2.7	3.3	2.2	
Selenium	µg/L	n/d	n/d	n/d	50
Silicon	mg/L	2.3	3.5	0.8	
Silver	µg/L	n/d	2	n/d	
Sodium	mg/L	13.6	21.8	10.0	
Thallium	µg/L	n/d	n/d	n/d	2
Zinc	µg/L	<2	3	n/d	
<u>INORGANICS</u>					
Boron	mg/L	0.008	0.010	0.006	
Chloride	mg/L	34.8	48.6	28.6	
Residual Chlorine	mg/L	1.6	1.9	0.4	TT=>0.2
Fluoride	mg/L	0.63	0.95	n/d ²	4
Nitrate	mg/L	1.1	1.6	0.6	10
Nitrite	mg/L	n/d	<0.05	n/d	1
Phosphorus	mg/L	0.32	0.44	<0.20	
Sulfate	mg/L	6.8	13.0	4.6	
<u>DISINFECTION BYPRODUCT PRECURSOR</u>					
Total Organic Carbon	mg/L	1.5	2.0	1.2	TT
<u>ORGANICS</u>					
Haloacetic Acids (HAA5)	µg/L	26.2	36.7	17.1	
Total Trihalomethanes (TTHMs)	µg/L	22.3	36.2	10.2	
<u>PESTICIDES & SYNTHETIC ORGANIC CHEMICALS (SOCs)</u>					
2,3,7,8-TCDD (Dioxin)	pg/L	n/d	n/d	n/d	30
2,4,5 TP (Silvex)	µg/L	n/d	n/d	n/d	50
2,4-D	µg/L	n/d	n/d	n/d	70
3-Hydroxycarbofuran	µg/L	n/d	n/d	n/d	
Alachlor	µg/L	n/d	n/d	n/d	2

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<u>PESTICIDES & SYNTHETIC ORGANIC CHEMICALS (SOCs)</u>					
Aldicarb	µg/L	n/d	n/d	n/d	3
Aldicarb sulfone	µg/L	n/d	n/d	n/d	2
Aldicarb sulfoxide	µg/L	n/d	n/d	n/d	4
Aldrin	µg/L	n/d	n/d	n/d	
Atrazine	µg/L	n/d	n/d	n/d	3
Benzo(a)pyrene	µg/L	n/d	n/d	n/d	0.2
Butachlor	µg/L	n/d	n/d	n/d	
Carbaryl	µg/L	n/d	n/d	n/d	
Carbofuran	µg/L	n/d	n/d	n/d	40
Chlorinated biphenyls (PCBs)	µg/L	n/d	n/d	n/d	0.5
Chlordane	µg/L	n/d	n/d	n/d	2
Dalapon	µg/L	<1	<1	n/d	200
Dibromochloropropane (DBCP)	µg/L	n/d	n/d	n/d	0.2
Dicamba	µg/L	n/d	n/d	n/d	
Dieldrin	µg/L	n/d	n/d	n/d	
Di(2-ethylhexyl)adipate	µg/L	n/d	n/d	n/d	400
Di(2-ethylhexyl)phthalate	µg/L	n/d	n/d	n/d	6
Dinoseb	µg/L	n/d	n/d	n/d	7
Diquat	µg/L	n/d	n/d	n/d	20
1,2-Dibromoethane (EDB)	µg/L	n/d	n/d	n/d	0.05
Endothall	µg/L	n/d	n/d	n/d	100
Endrin	µg/L	n/d	n/d	n/d	2
Glyphosate	µg/L	n/d	n/d	n/d	700
Heptachlor	µg/L	n/d	n/d	n/d	0.4
Heptachlor epoxide	µg/L	n/d	n/d	n/d	0.2
Hexachlorobenzene	µg/L	n/d	n/d	n/d	1
Hexachlorocyclopentadiene	µg/L	n/d	n/d	n/d	50
Lindane	µg/L	n/d	n/d	n/d	0.2
Metolachlor	µg/L	n/d	n/d	n/d	
Methomyl	µg/L	n/d	n/d	n/d	
Methoxychlor	µg/L	n/d	n/d	n/d	40
Metribuzin	µg/L	n/d	n/d	n/d	
Oxamyl (vydate)	µg/L	n/d	n/d	n/d	200
Pentachlorophenol	µg/L	n/d	n/d	n/d	1
Picloram	µg/L	n/d	n/d	n/d	500
Propachlor	µg/L	n/d	n/d	n/d	
Simazine	µg/L	n/d	n/d	n/d	4
Toxaphene	µg/L	n/d	n/d	n/d	3
<u>VOLATILE ORGANIC CHEMICALS (VOCs)</u>					
1,1,1-Trichloroethane	µg/L	n/d	n/d	n/d	200
1,1,2-Trichloroethane	µg/L	n/d	n/d	n/d	5
1,1-Dichloroethene	µg/L	n/d	n/d	n/d	7
1,2,4-Trichlorobenzene	µg/L	n/d	n/d	n/d	70
1,2-Dichlorobenzene	µg/L	n/d	n/d	n/d	600
1,2-Dichloroethane	µg/L	n/d	n/d	n/d	5
1,2-Dichloropropane	µg/L	n/d	n/d	n/d	5
1,4-Dichlorobenzene	µg/L	n/d	n/d	n/d	75
Benzene	µg/L	n/d	n/d	n/d	5
Carbon Tetrachloride	µg/L	n/d	n/d	n/d	5
Chlorobenzene	µg/L	n/d	n/d	n/d	100
cis -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	70
Dichloromethane	µg/L	n/d	n/d	n/d	5
Ethylbenzene	µg/L	n/d	n/d	n/d	700
Total Xylenes	µg/L	n/d	n/d	n/d	10000
Styrene	µg/L	n/d	n/d	n/d	100

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VOLATILE ORGANIC CHEMICALS (VOCs)

Tetrachloroethene	µg/L	n/d	n/d	n/d	5
Toluene	µg/L	n/d	n/d	n/d	1000
<i>trans</i> -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	100
Trichloroethene	µg/L	n/d	n/d	n/d	5
Vinyl Chloride	µg/L	n/d	n/d	n/d	2
1,1,1,2-Tetrachloroethane	µg/L	n/d	n/d	n/d	
1,1,2,2-Tetrachloroethane	µg/L	n/d	n/d	n/d	
1,1-Dichloroethane	µg/L	n/d	n/d	n/d	
1,1-Dichloropropene	µg/L	n/d	n/d	n/d	
1,2,3-Trichlorobenzene	µg/L	n/d	n/d	n/d	
1,2,3-Trichloropropane	µg/L	n/d	n/d	n/d	
1,2,4-Trimethylbenzene	µg/L	n/d	n/d	n/d	
1,3,5-Trimethylbenzene	µg/L	n/d	n/d	n/d	
1,3-Dichlorobenzene	µg/L	n/d	n/d	n/d	
1,3-Dichloropropane	µg/L	n/d	n/d	n/d	
2,2-Dichloropropane	µg/L	n/d	n/d	n/d	
2-Chlorotoluene	µg/L	n/d	n/d	n/d	
4-Chlorotoluene	µg/L	n/d	n/d	n/d	
Bromobenzene	µg/L	n/d	n/d	n/d	
Bromochloromethane	µg/L	n/d	n/d	n/d	
Bromomethane	µg/L	n/d	n/d	n/d	
Chloroethane	µg/L	n/d	n/d	n/d	
Chloromethane	µg/L	n/d	n/d	n/d	
<i>cis</i> -1,3-Dichloropropene	µg/L	n/d	n/d	n/d	
Dibromomethane	µg/L	n/d	n/d	n/d	
Dichlorodifluoromethane	µg/L	n/d	n/d	n/d	
Hexachlorobutadiene	µg/L	n/d	n/d	n/d	
Isopropylbenzene	µg/L	n/d	n/d	n/d	
n-Butylbenzene	µg/L	n/d	n/d	n/d	
n-Propylbenzene	µg/L	n/d	n/d	n/d	
Naphthalene	µg/L	n/d	n/d	n/d	
p-Isopropyltoluene	µg/L	n/d	n/d	n/d	
s-Butylbenzene	µg/L	n/d	n/d	n/d	
t-Butylbenzene	µg/L	n/d	n/d	n/d	
<i>trans</i> -1,3-Dichloropropene	µg/L	n/d	n/d	n/d	
Trichlorofluoromethane	µg/L	n/d	n/d	n/d	
Nitrobenzene	µg/L	n/d	n/d	n/d	
Methyl-tert-butyl-ether	µg/L	n/d	n/d	n/d	

RADIONUCLIDES

Gross Alpha	pCi/L	<2	<2	<2	15
Gross Beta	pCi/L	4.1	4.3	<4	50 ³
Radium 228	pCi/L	<1	<1	<1	5 ⁴
Tritium	pCi/L	<100	<100	<100	

CUSTOMER TAP⁵

PARAMETER	UNIT OF MEASURE	90th PERCENTILE⁶	# of SITES ABOVE AL	EPA ACTION LEVEL (AL)
Copper	µg/L	133	0 sample	1300
Lead	µg/L	<2	1 sample	15

DISTRIBUTION SYSTEM

PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
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BACTERIOLOGICAL

Samples Total Coliform Positive	%/month	0.09	0.54	0	5
Samples <i>E. coli</i> Positive	%/month	0	0	0	

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DISTRIBUTION SYSTEM					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
<u>BACTERIOLOGICAL</u>					
No. of <i>E. coli</i> Positive Routine Samples	Count	0	0	0	
No. of <i>E. coli</i> Positive Repeat Samples	Count	0	0	0	0
<u>DISINFECTANT & DISINFECTION BYPRODUCTS</u>					
Residual Chlorine	mg/L	1.28 ⁷	3.30	n/d	4 ⁸
Haloacetic Acids (HAA5)	µg/L	34.7 ⁷	81.9	9.8	60 ⁹
Total Trihalomethanes (TTHMs)	µg/L	41.9 ⁷	113	10.8	80 ⁹

LEGENDS

mg/L - milligrams per liter, equal to parts per million (ppm). The equivalent of one minute in 2 years or one penny in \$10,000.

µg/L - micrograms per liter, equal to parts per billion (ppb). The equivalent of one minute in 2,000 years or one penny in \$10 million.

n/d - not detected

ng/L - nanograms per liter, equal to parts per trillion (ppt). The equivalent of one minute in 2,000,000 years or one penny in \$10 billion.

pg/L - picograms per liter, equal to parts per quadrillion (ppq). The equivalent of one minute in 2,000,000,000 years or one penny in \$10 trillion.

pCi/L - picocuries per liter (a measure of radiation)

S.U. - Standard Unit

NTU - Nephelometric Turbidity Unit

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

AL - Action level. The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

¹ - Filtered water.

² - Fluoride feed was turned off September 7 - 16, 2011 to perform tracer study.

³ - EPA considers 50 pCi/L to be the level of concern for beta particles.

⁴ - The EPA limit of 5 pCi/L applies to combined Radium 226 and 228.

⁵ - Most recent sampling, between June and September 2011.

⁶ - If more than 10% of sites exceed action level, system is required to take additional steps to control corrosiveness of their water.

⁷ - Highest running annual average (RAA)

⁸ - Maximum residual disinfectant level (MRDL), the highest level of a disinfectant allowed in drinking water; based on RAA.

⁹ - Based on running annual average

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POTOMAC WATER FILTRATION PLANT					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
<u>GENERAL WATER QUALITY</u>					
Alkalinity	mg/L	79	112	37	
Color	Units	0	2	0	
Hardness	mg/L	128	184	69	
pH	S.U.	7.4	7.8	7.1	
Specific Conductance	MicroSiemens/cm	376	751	209	
Temperature	° C	15.6	33.1	0.5	
Threshold Odor	Units	1.0	1.0	0.7	
Turbidity ¹	NTU	0.04	0.18	0.02	TT=1 NTU; <0.3 NTU 95% of time
<u>METALS</u>					
Aluminum	µg/L	35	201	12	
Antimony	µg/L	n/d	n/d	n/d	6
Arsenic	µg/L	n/d	n/d	n/d	10
Barium	µg/L	34	44	23	2000
Beryllium	µg/L	n/d	n/d	n/d	4
Cadmium	µg/L	n/d	n/d	n/d	5
Calcium	mg/L	36.5	52.2	21.6	
Total Chromium	µg/L	n/d	<2	n/d	100
Hexavalent Chromium	ng/L	88	200	n/d	
Copper	µg/L	<2	2	n/d	
Iron	mg/L	<0.2	0.3	n/d	
Lead	µg/L	n/d	n/d	n/d	
Magnesium	mg/L	9.0	15.4	4.3	
Manganese	µg/L	2	17	n/d	
Mercury	µg/L	n/d	n/d	n/d	2
Nickel	µg/L	2	3	n/d	
Potassium	mg/L	3.1	5.0	2.0	
Selenium	µg/L	n/d	<2	n/d	50
Silicon	mg/L	3.1	5.3	0.5	
Silver	µg/L	n/d	<2	n/d	
Sodium	mg/L	19.1	74.1	9.5	
Thallium	µg/L	n/d	n/d	n/d	2
Zinc	µg/L	2	10	n/d	
<u>INORGANICS</u>					
Boron	mg/L	0.026	0.048	0.012	
Chloride	mg/L	42.2	136	24.0	
Residual Chlorine	mg/L	1.8	2.7	1.3	TT=>0.2
Fluoride	mg/L	0.67	0.91	<0.20 ²	4
Nitrate	mg/L	1.7	2.6	0.4	10
Nitrite	mg/L	n/d	n/d	n/d	1
Phosphorus	mg/L	0.29	0.36	0.25	
Sulfate	mg/L	41.0	89.7	13.3	
<u>DISINFECTION BYPRODUCT PRECURSOR</u>					
Total Organic Carbon	mg/L	1.7	5.3	0.9	TT
<u>ORGANICS</u>					
Halooacetic Acids (HAA5)	µg/L	18.0	34.4	5.9	
Total Trihalomethanes (TTHMs)	µg/L	12.3	25.4	5.6	
<u>PESTICIDES & SYNTHETIC ORGANIC CHEMICALS (SOCs)</u>					
2,3,7,8-TCDD (Dioxin)	pg/L	n/d	n/d	n/d	30
2,4,5 TP (Silvex)	µg/L	n/d	n/d	n/d	50
2,4-D	µg/L	n/d	n/d	n/d	70
3-Hydroxycarbofuran	µg/L	n/d	n/d	n/d	
Alachlor	µg/L	n/d	n/d	n/d	2
Aldicarb	µg/L	n/d	n/d	n/d	3
Aldicarb sulfone	µg/L	n/d	n/d	n/d	2

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<u>PESTICIDES & SYNTHETIC ORGANIC CHEMICALS (SOCs)</u>					
Aldicarb sulfoxide	µg/L	n/d	n/d	n/d	4
Aldrin	µg/L	n/d	n/d	n/d	
Atrazine	µg/L	n/d	n/d	n/d	3
Benzo(a)pyrene	µg/L	n/d	n/d	n/d	0.2
Butachlor	µg/L	n/d	n/d	n/d	
Carbaryl	µg/L	n/d	n/d	n/d	
Carbofuran	µg/L	n/d	n/d	n/d	40
Chlorinated biphenyls (PCBs)	µg/L	n/d	n/d	n/d	0.5
Chlordane	µg/L	n/d	n/d	n/d	2
Dalapon	µg/L	n/d	n/d	n/d	200
Dibromochloropropane (DBCP)	µg/L	n/d	n/d	n/d	0.2
Dicamba	µg/L	n/d	n/d	n/d	
Dieldrin	µg/L	n/d	n/d	n/d	
Di(2-ethylhexyl)adipate	µg/L	n/d	n/d	n/d	400
Di(2-ethylhexyl)phthalate	µg/L	n/d	<5	n/d	6
Dinoseb	µg/L	n/d	n/d	n/d	7
Diquat	µg/L	n/d	n/d	n/d	20
1,2-Dibromoethane (EDB)	µg/L	n/d	n/d	n/d	0.05
Endothall	µg/L	n/d	n/d	n/d	100
Endrin	µg/L	n/d	n/d	n/d	2
Glyphosate	µg/L	n/d	n/d	n/d	700
Heptachlor	µg/L	n/d	n/d	n/d	0.4
Heptachlor epoxide	µg/L	n/d	n/d	n/d	0.2
Hexachlorobenzene	µg/L	n/d	n/d	n/d	1
Hexachlorocyclopentadiene	µg/L	n/d	n/d	n/d	50
Lindane	µg/L	n/d	n/d	n/d	0.2
Metolachlor	µg/L	n/d	n/d	n/d	
Methomyl	µg/L	n/d	n/d	n/d	
Methoxychlor	µg/L	n/d	n/d	n/d	40
Metribuzin	µg/L	n/d	n/d	n/d	
Oxamyl (vydate)	µg/L	n/d	n/d	n/d	200
Pentachlorophenol	µg/L	n/d	n/d	n/d	1
Picloram	µg/L	n/d	n/d	n/d	500
Propachlor	µg/L	n/d	n/d	n/d	
Simazine	µg/L	n/d	n/d	n/d	4
Toxaphene	µg/L	n/d	n/d	n/d	3
<u>VOLATILE ORGANIC CHEMICALS (VOCs)</u>					
1,1,1-Trichloroethane	µg/L	n/d	n/d	n/d	200
1,1,2-Trichloroethane	µg/L	n/d	n/d	n/d	5
1,1-Dichloroethene	µg/L	n/d	n/d	n/d	7
1,2,4-Trichlorobenzene	µg/L	n/d	n/d	n/d	70
1,2-Dichlorobenzene	µg/L	n/d	n/d	n/d	600
1,2-Dichloroethane	µg/L	n/d	n/d	n/d	5
1,2-Dichloropropane	µg/L	n/d	n/d	n/d	5
1,4-Dichlorobenzene	µg/L	n/d	n/d	n/d	75
Benzene	µg/L	n/d	n/d	n/d	5
Carbon Tetrachloride	µg/L	n/d	n/d	n/d	5
Chlorobenzene	µg/L	n/d	n/d	n/d	100
cis-1,2-Dichloroethene	µg/L	n/d	n/d	n/d	70
Dichloromethane	µg/L	n/d	n/d	n/d	5
Ethylbenzene	µg/L	n/d	n/d	n/d	700
Total Xylenes	µg/L	n/d	n/d	n/d	10000
Styrene	µg/L	n/d	n/d	n/d	100
Tetrachloroethene	µg/L	n/d	n/d	n/d	5
Toluene	µg/L	n/d	n/d	n/d	1000

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<u>VOLATILE ORGANIC CHEMICALS (VOCs)</u>					
<i>trans</i> -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	100
Trichloroethene	µg/L	n/d	n/d	n/d	5
Vinyl Chloride	µg/L	n/d	n/d	n/d	2
1,1,1,2-Tetrachloroethane	µg/L	n/d	n/d	n/d	
1,1,2,2-Tetrachloroethane	µg/L	n/d	n/d	n/d	
1,1-Dichloroethane	µg/L	n/d	n/d	n/d	
1,1-Dichloropropene	µg/L	n/d	n/d	n/d	
1,2,3-Trichlorobenzene	µg/L	n/d	n/d	n/d	
1,2,3-Trichloropropane	µg/L	n/d	n/d	n/d	
1,2,4-Trimethylbenzene	µg/L	n/d	n/d	n/d	
1,3,5-Trimethylbenzene	µg/L	n/d	n/d	n/d	
1,3-Dichlorobenzene	µg/L	n/d	n/d	n/d	
1,3-Dichloropropane	µg/L	n/d	n/d	n/d	
2,2-Dichloropropane	µg/L	n/d	n/d	n/d	
2-Chlorotoluene	µg/L	n/d	n/d	n/d	
4-Chlorotoluene	µg/L	n/d	n/d	n/d	
Bromobenzene	µg/L	n/d	n/d	n/d	
Bromochloromethane	µg/L	n/d	n/d	n/d	
Bromomethane	µg/L	n/d	n/d	n/d	
Chloroethane	µg/L	n/d	n/d	n/d	
Chloromethane	µg/L	n/d	n/d	n/d	
<i>cis</i> -1,3-Dichloropropene	µg/L	n/d	n/d	n/d	
Dibromomethane	µg/L	n/d	n/d	n/d	
Dichlorodifluoromethane	µg/L	n/d	n/d	n/d	
Hexachlorobutadiene	µg/L	n/d	n/d	n/d	
Isopropylbenzene	µg/L	n/d	n/d	n/d	
n-Butylbenzene	µg/L	n/d	n/d	n/d	
n-Propylbenzene	µg/L	n/d	n/d	n/d	
Naphthalene	µg/L	n/d	n/d	n/d	
p-Isopropyltoluene	µg/L	n/d	n/d	n/d	
s-Butylbenzene	µg/L	n/d	n/d	n/d	
t-Butylbenzene	µg/L	n/d	n/d	n/d	
<i>trans</i> -1,3-Dichloropropene	µg/L	n/d	n/d	n/d	
Trichlorofluoromethane	µg/L	n/d	n/d	n/d	
Nitrobenzene	µg/L	n/d	n/d	n/d	
Methyl-tert-butyl-ether	µg/L	n/d	n/d	n/d	
<u>RADIONUCLIDES</u>					
Gross Alpha	pCi/L	<2	<2	<2	15
Gross Beta	pCi/L	<4	<4	<4	50 ³
Radium 228	pCi/L	<1	<1	<1	5 ⁴
Tritium	pCi/L	<100	<100	<100	

CUSTOMER TAP ⁵				
PARAMETER	UNIT OF MEASURE	90th PERCENTILE ⁶	# of SITES ABOVE AL	EPA ACTION LEVEL (AL)
Copper	µg/L	133	0 sample	1300
Lead	µg/L	<2	1 sample	15

DISTRIBUTION SYSTEM					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
<u>BACTERIOLOGICAL</u>					
Samples Total Coliform Positive	%/month	0.09	0.54	0	5
Samples <i>E. coli</i> Positive	%/month	0	0	0	

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DISTRIBUTION SYSTEM					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
<u>BACTERIOLOGICAL</u>					
No. of <i>E. coli</i> Positive Routine Samples	Count	0	0	0	
No. of <i>E. coli</i> Positive Repeat Samples	Count	0	0	0	0
<u>DISINFECTANT & DISINFECTION BYPRODUCTS</u>					
Residual Chlorine	mg/L	1.28 ⁷	3.30	n/d	4 ⁸
Haloacetic Acids (HAA5)	µg/L	34.7 ⁷	81.9	9.8	60 ⁹
Total Trihalomethanes (TTHMs)	µg/L	41.9 ⁷	113	10.8	80 ⁹

LEGENDS

mg/L - milligrams per liter, equal to parts per million (ppm). The equivalent of one minute in 2 years or one penny in \$10,000.

µg/L - micrograms per liter, equal to parts per billion (ppb). The equivalent of one minute in 2,000 years or one penny in \$10 million.

n/d - not detected

ng/L - nanograms per liter, equal to parts per trillion (ppt). The equivalent of one minute in 2,000,000 years or one penny in \$10 billion.

pg/L - picograms per liter, equal to parts per quadrillion (ppq). The equivalent of one minute in 2,000,000,000 years or one penny in \$10 trillion.

pCi/L - picocuries per liter (a measure of radiation)

S.U. - Standard Unit

NTU - Nephelometric Turbidity Unit

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

AL - Action level. The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

¹ - Filtered water.

² - Fluoride feed was turned off September 7 - 16, 2011 to perform tracer study.

³ - EPA considers 50 pCi/L to be the level of concern for beta particles.

⁴ - The EPA limit of 5 pCi/L applies to combined Radium 226 and 228.

⁵ - Most recent sampling, between June and September 2011.

⁶ - If more than 10% of sites exceed action level, system is required to take additional steps to control corrosiveness of their water.

⁷ - Highest running annual average (RAA)

⁸ - Maximum residual disinfectant level (MRDL), the highest level of a disinfectant allowed in drinking water; based on RAA.

⁹ - Based on running annual average