

# Fairfax County Water Authority Riverside Manor Well System

## Supplement to the Annual Report on Water Quality

June 2004

The water delivered to your home comes from the Riverside Manor well system which is maintained by Fairfax Water. This well system is a separate source from the main surface water system operated by Fairfax Water. Therefore, a separate report of water quality has been prepared for your well system. If you have any questions regarding this report, please contact our Customer Service department at (703) 698-5800.

Components	2003 SUMMARY OF FINISHED WATER CHARACTERISTICS							
	Units	MCLG	MCL	Average	Minimum	Maximum	Violation	Major Source in Drinking Water
Xylenes (Total)	ppm	10	10	0.0003	ND	0.0005	No	Discharge from petroleum refineries and chemical factories
Bromodichloromethane	ppb	NRL	NRL	0.40	ND	0.80	No	By-product of drinking water chlorination
Chlorodibromomethane	ppb	NRL	NRL	1.75	1.10	2.40	No	By-product of drinking water chlorination
Bromoform	ppb	NRL	NRL	2.45	2.00	2.90	No	By-product of drinking water chlorination
Arsenic	ppb	N/A	50	<2	ND	2	No	Erosion of natural deposits; runoff from orchards, glass, and electronics production wastes
Barium	ppm	2	2	0.009	0.006	0.013	No	Discharge of drilling wastes; discharge from metal refineries; erosion from natural deposits
Chromium	ppb	100	100	2	ND	5	No	Discharge from steel and pulp mills; Erosion of natural deposits
Nitrate (as Nitrogen)	ppm	10	10	3.1	2.2	3.9	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Beta/photon emitters <sup>1</sup>	pCi/L	0	50	5.1	3.6	6.6	No	Decay of natural and man-made deposits
Alpha Emitters	pCi/L	0	15	4.2	1.5	6.8	No	Erosion of natural deposits

<sup>1</sup>The MCL for the Beta particles is written as 4mrem/year. EPA considers 50 pCi/L to be the level of concern for Beta particles.

Metals	2003 DISTRIBUTION SYSTEM WATER QUALITY				
	Action Level	FCWA 90th Percentile	Number of Sites Above 90th Percentile	Violation	Major Source in Drinking Water
Copper <sup>2</sup>	1.3 ppm	0.318 ppm	0	No	Corrosion of household plumbing systems
Lead <sup>2</sup>	15 ppb	5 ppb	0	No	Corrosion of household plumbing systems

<sup>2</sup>2001 data, not required in 2003