

# Fairfax County Water Authority

## Hallowing Point-Gunston Manor Well System

### Supplement to the Annual Report on Water Quality

#### June 2002

The water delivered to your home comes from the Hallowing Point-Gunston Manor well system which is maintained by the Water Authority. This well system is a separate source from the main surface water system operated by the Water Authority. Therefore, a separate report of water quality has been prepared for your well system.

The Authority is currently constructing a water main along Gunston Road to serve the communities of Gunston Manor and Hallowing Point. This line is anticipated to be completed and in service in early 2003. Once this pipeline is in use, the wells serving these two communities will be taken out of service.

If you have any questions regarding this report, please contact our Customer Service department at (703) 698-5600.

Components	2001 SUMMARY OF FINISHED WATER CHARACTERISTICS							
	Units	MCLG	MCL	Average	Minimum	Maximum	Violation	Major Source in Drinking Water
Toluene	ppm	1	1	0.0006	ND	0.0014	No	Discharge from petroleum refineries and chemical factories
Xylenes (Total)	ppm	10	10	0.0009	ND	0.0015	No	Discharge from petroleum refineries and chemical factories
Bromodichloromethane	ppb	NRL	NRL	1.03	ND	3.08	No	By-product of drinking water chlorination
Chlorodibromomethane	ppb	NRL	NRL	1.01	ND	1.79	No	By-product of drinking water chlorination
Chloroform	ppb	NRL	NRL	1.01	ND	3.02	No	By-product of drinking water chlorination
Bromoform	ppb	NRL	NRL	0.66	ND	1.07	No	By-product of drinking water chlorination
Barium	ppm	2	2	0.014	0.01	0.03	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium	ppb	100	100	1	ND	2	No	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride	ppm	4	4	0.60	0.50	0.80	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Beta/photon emitters <sup>1,2</sup>	pCi/L	0	50	3.70	2.20	4.70	No	Decay of natural and man-made deposits
Alpha Emitters <sup>2</sup>	pCi/l	0	15	2.90	0.00	6.80	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.

<sup>2</sup> Testing performed in 1999

Metals	2001 SUMMARY OF DISTRIBUTION SYSTEM WATER QUALITY				
	Action Level	FCWA 90th Percentile	Number of Sites Above 90th Percentile	Violation	Major Source in Drinking Water
Copper	1.3 ppm	0.463 ppm	0	No	Corrosion of household plumbing systems
Lead	15 ppb	4 ppb	2	No	Corrosion of household plumbing systems