

PRIVATE WELL TESTING

11 Attachment 1

Town of Fishkill

Appendix A

A. Laboratory requirements.

All analysis and certifications shall be performed by a laboratory approved by the New York State Department of Health, Environmental Laboratory Approval Program. Laboratory certifications shall clearly state which parameters, if any, exceeded standards set forth within Part 5 of the New York State Sanitary Code.

B. Testing procedure.

- (1) New wells. The well should be pumped clear and disinfected with chlorine. The sample shall be collected after the disinfectant has cleared from the system.
- (2) Existing wells. Samples should be taken of the raw water after any existing treatment has been bypassed.
- (3) Additional testing at point of use may be necessary to determine the efficacy of any installed treatment systems.

C. Minimum parameters. These are the minimum recommended parameters to determine the bacteriological and chemical quality of water:

(1) Bacteriological parameters:

- (a) Total coliform.
- (b) Escherichia coli.

(2) Inorganic parameters:

Alkalinity	Cyanide	Nitrite
Antimony	Hardness	pH
Arsenic	Iron	Selenium
Barium	Lead	Sodium
Beryllium	Manganese	Sulfate
Cadmium	Mercury	Thallium
Chlorides	Nickel	Turbidity
Chromium	Nitrate	

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(3) Principal organic chemicals*:

benzene	cis-1, 3-dichloropropene
bromobenzene	trans-1, 3-dichloropropene
bromochloromethane	ethylbenzene
bromomethane	hexachlorobutadiene
n-butylbenzene	isopropylbenzene
sec-butylbenzene	p-isopropyltoluene
tert-butylbenzene	methylene chloride
carbon tetrachloride	n-propylbenzene
chlorobenzene	styrene
chloroethane	1, 1, 1, 2-tetrachloroethane
chloromethane	1, 1, 2, 2-tetrachloroethane
2-chlorotoluene	tetrachloroethene
4-chlorotoluene	toluene
dibromomethane	1, 2, 3-trichlorobenzene
1, 2-dichlorobenzene	1, 2, 4-trichlorobenzene
1, 3-dichlorobenzene	1, 1, 1-trichloroethane
1, 4-dichlorobenzene	1, 1, 2-trichloroethane
dichlorodifluoromethane	trichloroethene
1, 1-dichloroethane	trichlorofluoromethane
1, 2-dichloroethane	1, 2, 3-trichloropropane
1, 1-dichloroethene	1, 2, 4-trimethylbenzene
cis-1, 2-dichloroethene	1, 3, 5-trimethylbenzene
trans-1, 2-dichloroethene	m-xylene
1, 2-dichloropropane	o-xylene
1, 3-dichloropropane	p-xylene
2, 2-dichloropropene	vinyl chloride
1, 1-dichloropropene	methyl tertiary-butyl ether

* EPA method 502.2 with a detection limit of 0.5 ug/l or less.