



CITY OF SALEM, MASSACHUSETTS

BOARD OF HEALTH
98 WASHINGTON STREET, 3RD FLOOR
SALEM, MA 01970
TEL. (978) 741-1800
health@salem.com

DOMINICK PANGALLO
MAYOR



Public Health
Prevent. Promote. Protect.

DAVID GREENBAUM, RS, CHO
HEALTH AGENT

WATER QUALITY TESTING REQUIREMENTS

AFTER THE WELL HAS BEEN COMPLETED AND DISINFECTED, AND PRIOR TO USING IT AS A DRINKING WATER SUPPLY, A WATER QUALITY TEST SHALL BE CONDUCTED.

A WATER SAMPLE SHALL BE COLLECTED EITHER AFTER PURGING THREE WELL VOLUMES OR FOLLOWING THE STABILIZATION OF THE PH, TEMPERATURE, AND SPECIFIC CONDUCTANCE IN THE PUMPED WELL. THE WATER SAMPLE TO BE TESTED SHALL BE COLLECTED AT THE PUMP DISCHARGE OR FROM A DISINFECTED TAP IN THE PUMP DISCHARGE LINE. IN NO EVENT SHALL A WATER TREATMENT DEVICE BE INSTALLED PRIOR TO SAMPLING.

THE WATER QUALITY TEST, UTILIZING EPA METHODS FOR DRINKING WATER TESTING (500 SERIES METHODS) AND NOT METHODS USED FOR ANALYZING WASTEWATER, SHALL BE CONDUCTED BY A CERTIFIED LABORATORY AND SHALL INCLUDE ANALYSIS FOR THE FOLLOWING PARAMETERS:

Parameter

*Coliform Bacteria

Maximum Contaminant Level (MCL)

Positive sample

<u>Parameter</u>	<u>Recommended Upper Limit</u>	<u>Lower Limit</u>
Alkalinity	100 mg/l	30 mg/l
Calcium	150 mg/l	50 mg/l
Chloride	250 mg/l	n/a
Color	15 color units	n/a
Copper	1 mg/l	n/a
Hardness	200 mg/l	50 mg/l
Iron	.3 mg/l	n/a
Magnesium	relative scale	
Manganese	.05 mg/l	n/a
Odor	3 TON	n/a
pH	8.5	6.5
Potassium	relative scale	
Sediment	visual Observation	
Sulfate	250 mg/l	n/a
Total Dissolved Solids	500 mg/l	n/a



CITY OF SALEM, MASSACHUSETTS

BOARD OF HEALTH
98 WASHINGTON STREET, 3RD FLOOR
SALEM, MA 01970
TEL. (978) 741-1800
health@salem.com



Public Health
Prevent. Promote. Protect.

DOMINICK PANGALLO
MAYOR

DAVID GREENBAUM, RS, CHO
HEALTH AGENT

Volatile Organic Compounds

<u>Parameter</u>	<u>Maximum Contaminant Level (MCL)</u>
Benzene	.005 mg/l
Carbon tetrachloride	.005 mg/l
Dichloromethane	.005 mg/l
o-Dichlorobenzene	.6 mg/l
p-Dichlorobenzene	.005 mg/l
1,2-Dichloroethane	.005 mg/l
cis-1,2-Dichloroethene	.07 mg/l
trans-1,2-Dichloroethene	.1 mg/l
1,1-Dichloroethene	.007 mg/l
1,2-Dichloropropane	.005 mg/l
Ethylbenzene	.7 mg/l
Chlorobenzene	.1 mg/l
Styrene	.1 mg/l
Tetrachloroethene	.005 mg/l
Toluene	1 mg/l
Trichloroethene	.005 mg/l
1,1,1-Trichloroethane	.2 mg/l
1,2,4-Trichlorobenzene	.07 mg/l
1,1,2-Trichloroethane	.005 mg/l
Vinyl Chloride	.002 mg/l
Xylenes (total)	10 mg/l

Inorganic compounds

<u>Parameter</u>	<u>Maximum Contaminant Level (MCL)</u>
Antimony	.006 mg/l
Arsenic	.05 mg/l
Asbestos	7 million fibers/l
Barium	2 mg/l
Beryllium	.004 mg/l
Cadmium	.005 mg/l
Chromium (total)	.1 mg/l
Cyanide	.2 mg/l
Fluoride	4 mg/l
Lead (action level)	.015 mg/l
Copper (action level)	1.3 mg/l
Mercury	.002 mg/l
*Nitrate (N)	10 mg/l
*Nitrite (N)	1 mg/l
Total Nitrate & Nitrite (N)	10 mg/l
Selenium	.05 mg/l
Thallium	.002 mg/l

*indicates parameters that should be monitored once every year.

The most recent certified lab list can be obtained by calling the Wall Experiment Station at (978) 682-5237.