

AQUISURE CLIENT PROFILE MATRIX:

CLIENT: _____ WILSON, BRUCE
LOCATION: _____ FRAMINGHAM
CLIENT LOG #: _____ 012805-A
GOALS: _____ QUALIFY PRESSURE LOSS
_____ WATER QUALITY ASSESSMENT
_____ FILTER QUALITY ASSURANCE
TECHNICIAN ASSIGNED TO CLIENT: _____ DAVID FEER

LOCATION INFORMATION:

WATER SOURCE: _____ MWRA Quabbin Reservoir; Metrowest Aquaduct
TREATMENT PLANT LOCATION/ DISTANCE: _____ Walnut Hill Treatment Facility: Marlborough / 9.25 Miles
REGIONAL CONSIDERATIONS: _____ Located in New England 'Arsenic Belt', Numerous EPA Superfund Sites
CLOSEST EPA SUPERFUND SITE: _____ Pierce Rose, 46 Maple Ave, Sudbury: 1.56 MILES

RESIDENCE INFORMATION:

GROSS LIVING AREA _____ ~1200 sq ft +
OF HOUSEHOLD MEMBERS _____ 2
OF BATHROOMS _____ 1.5
WATER OUTLETS _____ 5 (estimate)
SOURCE _____ Municipal pump at Pine and Elmwood
ADULTS / CHILDREN _____ 2 / 0
WEAKENED IMMUNE SYSTEM? _____ No

ACTUAL WATER TEST - ANALYSIS OF CONTAMINENTS:

pH of 8.83: indicates an alkaline quality to the water (more hydroxide ions). Slight alkalinity can be healthy, but pH levels above 8.5 can be injurious to organic life; it is likely related to the high SODIUM content identified in the sample. **Use of a reverse osmosis system and mineral treatment is recommended.**

SODIUM of 30 mg/l: Primarily an aesthetic / taste problem. Its source deserves investigation, and may uncover other more compelling issues. Note: People with high blood pressure who are on medically restricted sodium diets may wish to minimize their intake of water with more than 20 milligrams per liter of sodium.
Use of a reverse osmosis system with cation/anion resin bed is recommended.

CHLORINE of 1.56 mg/l: Although acceptable by the EPA for safe drinking water, any detectable CHLORINE must be carefully considered. Chlorine combines with natural organic matter creating cancer causing trihalomethanes (THMs). Collectively THMs include such carcinogens as chloroforms, bromoforms, carbon tetrachloride, bischloroethane and others. Drinking chlorinated tap water destroys beneficial bacteria in the body which will weaken and eventually damage one's immunity, and should also be avoided. **Use of a 'point of use' (or whole house) activated carbon filter (solid block, granular, or precoat) is recommended to dechlorinate the water.**

ARSENIC of <0.004 mg/l: This inorganic chemical occurs naturally in the bedrock of New England, so a minimal amount can be expected. The issue is that upon ingestion, arsenic is NOT exhausted from the body and is stored into fatty tissues, progressively building up over time. Any detection of this contaminant is of concern. **Use of a reverse osmosis system and activated carbon filter is recommended.**

TOTAL DISSOLVED SOLIDS of 115 mg/l: Caution is recommended insofar as dissolved minerals can be beneficial, but these solids may be residual (dead) bacteria/microbes/cysts that have been killed in the disinfection treatment with the use of CHLORINE. Mineral TDS is beneficial to health, while organic TDS is not desirable, and usually is detected as poor water taste/feel. **Use of a ≥ 5 micron particle filter is recommended.**

WATER QUALITY REPORT PARAMETERS:

PH, COLOR, ODOR, CONDUCTIVITY, TURBIDITY, HARDNESS, CHLORIDE, **SODIUM**, IRON, MANGANESE, CALCIUM, MAGNESIUM, **LEAD**, NITRITE, NITRATE, AND TOTAL COLIFORM. **ARSENIC**, SULFATE, **CHLORINE**, POTASSIUM, COPPER, ALKALINITY, AMMONIA, AND TOTAL DISSOLVED SOLIDS. IT IS RECOMMENDED THAT THESE BE TESTED FOR INITIALLY AND THEN EVERY THREE YEARS THEREAFTER.

YOUR (REFRIGERATOR) WATER FILTER:

Will **initially** remove most of the TDS detected in your water quality report (85 to 99.95% effective). Note: the industry classification 'Class I' can filter particulates down to .01-.1 microns, this filter appears to be a Class 3 or 4 at best (performance dependent).

Will NOT remove SODIUM, ARSENIC, or affect the pH balance of your water.

Will **initially** remove 75% of the CHLORINE upon the filters' replacement.

Will only partially reduce the level of LEAD and TURBIDITY in your water.

Replacement cost: \$34.99 plus Shipping and Handling.

OVERALL RECOMMENDATIONS:

Identify the source of SODIUM in your water, and address the issue accordingly.

Replace your refrigerator water filter every 8-10 weeks based upon TDS, SODIUM, and CHLORINE levels as well as estimated household usage and source water.

Enroll as an AQUISURE Full Member to benefit from bi-annual analysis of your water quality, monthly retests for SODIUM, and timely filter replacement notifications, etc.

Install a NIKKEN PiMag Shower System as well as NIKKEN PiMAG countertop water system.

AQUISURE

"Water Health Assurance"

5/31/2005

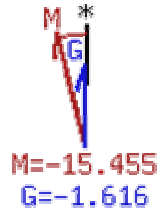
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