

A GUIDE TO BETTER UNDERSTANDING YOUR WATER ANALYSIS RESULTS

<u>CONTAMINANT</u>	<u>IMPORTANCE OF TEST</u>
Total Coliform	Used as an indicator that other harmful bacteria may be present.
Fecal Coliform	If present, may indicate that the coliform bacteria is from a septic system.
pH	Results lower than 6.5 could result in water with a bitter taste or that is corrosive. Results higher than 8.5 could result in water that has a salty taste, causes scale formation or is very hard.
Hardness	Hard water may result in scale formation. Soft 0 to 5.2 grains/gallon Moderate 5.3 to 7.5 grains/gallon Hard 7.6 to 9.9 grains/gallon Excessive 10.0+ grains/gallon
Total Iron	Levels higher than 0.3 may cause off-color water, metallic taste or stains.
Manganese	Levels higher than .05 may cause off color water, metallic taste or stains.
N Nitrate/Nitrite	Total Levels higher than 10 mg/L, could result in serious medical problems with pregnant women and children under six months.
Total Solids	Levels higher than 500 mg/L will probably cause scale formation, hardness, and a salty taste.
Lead	Levels higher than 0.015 mg/L in water could cause medical problems in children including delays in physical and mental development. For adults, kidney problems and high blood pressure.
Corrosive Water	If noted on the report, permanent problems with metal pipes and metal fixtures including copper, could result over time. Pin hole leaks may develop caused by metal piping in contact with corrosive water.

SOME WAYS TO REMEDY THE PROBLEM

Total Coliform	Disinfection by chlorination system or UV Light
Fecal Coliform	Disinfection by chlorination system or UV Light.
pH	Acid Neutralizer or Chemical Feed Pump.
Hardness	Water Softener.
Total Iron or Manganese	Water Softener and sediment filter, or an iron oxidizing filter.
N Nitrate/Nitrite	Reverse Osmosis System or an ion exchange resin.
Total Solids	Reverse Osmosis System,
Lead	Reverse Osmosis System, carbon filter, or mixed bed deionizer or softener.
Corrosive Water	Acid neutralizer to raise the pH.

Please Note: The above information is supplied as a guide for your use only. We are not qualified to recommend or guarantee that your particular problem will be remedied after installation of any water treatment device.