

DRINKING WATER TESTING – PRIVATE WELLS

General Test Packages

Package Number	Monitoring Package	Tests Included
1	Escrow (Private Well)	Total Coliform/ <i>E. coli</i>
2	General Well Test (EPA-Recommended Tests)	Total Coliform/ <i>E. coli</i> , Arsenic, Lead, Copper, pH, Nitrate, Nitrite, Total Dissolved Solids
3	General Well Test (partial)	Total Coliform/ <i>E. coli</i> , Arsenic, Lead

Taste/Color/Odor Test Packages

Package Number	Monitoring Package	Tests Included
4	Objectionable Taste or Odor	Sulfide, Langelier Index (Alkalinity, Calcium Hardness, pH, Temperature, and Total Dissolved Solids)
5	Salty Taste	Chloride, Sodium, Total Dissolved Solids
6	Water Appears Colored	Color
7	Blue Tint to Water	Copper
8	Orange Tint to Water	pH, Iron Bacteria
9	Rotten Egg Odor	Sulfate-Reducing Bacteria
10	Odor of Gasoline or Fuel	Volatile Organic Compounds

Specialized Test Packages

Package Number	Monitoring Package	Tests Included
11	Septic System Influence	Total Coliform/ <i>E. coli</i> , Nitrate, Nitrite

Package Number	Monitoring Package	Tests Included
12	Irrigation or Canal Water Influence	Total Coliform (MF), Nitrate, Nitrite
13	Reverse Osmosis (RO) System Performance Check	Total Dissolved Solids
14	Radon Influence	Radon
15	Uranium Influence	Uranium by ICP/MS
16	Corrosion of Pipes/Plumbing	Langelier Index (Alkalinity, Calcium Hardness, pH, Temperature, and Total Dissolved Solids)
17	Water Softener Performance Check	Total Hardness, Iron

Test Information:

Total Coliform/E. coli – Microorganisms that are considered to be indicators of sewage contamination; *E. coli* is a species of bacteria that is part of the Coliform group of bacteria.

Nitrates and Nitrites – Chemicals that occur in water due to breakdown of nitrogen compounds in soil and from human activities. Fertilizers and waste runoff are possible sources of nitrates/nitrites.

Heavy Metals – Metals such as arsenic, cadmium, chromium, lead and selenium that may be found in underground rocks and soils.

Langelier Index – a means of evaluating water quality to determine if the water has potential to form a scale or cause corrosion of plumbing.

pH – a measure of the acidity or alkalinity of water; a pH of 7.0 is considered neutral.

Radon – a radioactive gas that is colorless, odorless, and tasteless. Radon is naturally formed by radioactive decay of uranium in rock, soil and water. Radon is known to be a carcinogen.

Sulfides – chemical compounds containing sulfur, such as hydrogen sulfide. These chemicals are known to produce foul odors.

Total Dissolved Solids – Made up of inorganic salts (e.g. calcium, magnesium, etc.) and small amounts of organic matter that are dissolved in water; considered to be an indicator of water quality.

Iron and Sulfate-reducing Bacteria – Nuisance bacteria often found in groundwater that may contribute to water discoloration and foul odors.

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