

Beaver County has an elevated risk profile. Radon is detected in ~100% of wells, driven by geological sources. Contamination is often invisible — testing is the only way to confirm your well's safety.

N/A
HOUSEHOLDS ON PRIVATE WELLS

Varies
PRIMARY AQUIFER TYPE

ELEVATED
OVERALL RISK LEVEL

YOUR TOP WATER QUALITY RISKS

| CONTAMINANT | HOW COMMON | RISK LEVEL | SOURCE & CONTEXT |
|-------------------|----------------------------|-----------------|---|
| Radont | ~100% of wells | Advisory | Geological — Radioactive gas dissolved from uranium-bearing rock |
| Manganese* | ~50% of wells | Moderate | Geological — Found in reducing aquifer zones alongside iron |
| Lead | ~78% above limit | High | Infrastructure — Older well casing materials and household plumbing |
| Iron* | ~50% above aesthetic limit | Moderate | Geological — Common in glacial and alluvial aquifers; staining and taste |
| Arsenic | ~38% above limit | High | Geological — Naturally dissolves from bedrock and glacial sediment |

* Secondary standard — an aesthetic limit for taste, odor, or staining. Not a health-based EPA limit.

† No finalized EPA primary MCL. Figure shows detection frequency, not regulatory exceedance.

WHAT TO DO NEXT

- Order a water test.**
Test for Radon, Manganese, Lead, Iron, coliform bacteria. Bacteria annually; others every 3–5 years.
- Get your free county report.**
See full data, treatment options, and certified labs at <https://yourwaterreport.com/states/pa/beaver-county/>
- Upload your lab results.**
We'll interpret them, flag anything above limits, and recommend next steps — free.

KNOW YOUR WELL

Well age / year drilled _____

Last water test date _____

Treatment systems installed _____

Well driller / service contact _____

WHAT YOUR RESULTS MEAN

Use this to interpret your lab report — match the contaminant to your result.

| IF YOUR TEST SHOWS | WHAT IT MEANS | CONSIDER |
|---------------------------------|--|---|
| Bacteria detected | Immediate concern | Shock chlorination; add UV system |
| Radon > 4,000 pCi/L | EPA proposed limit; also affects indoor air | Aeration system; test indoor air |
| Manganese > 0.05 mg/L | Aesthetic + health concern at high levels | Oxidation + filtration system |
| Lead > 15 µg/L | EPA action level exceeded | RO filter; inspect well casing |
| Iron > 0.3 mg/L | Staining, taste — aesthetic issue | Oxidizing iron filter |
| Arsenic > 10 µg/L | EPA limit exceeded — chronic cancer risk | Reverse osmosis or activated alumina filter |

WHO SHOULD USE THIS

- Homeowners on private wells — not covered by public water testing
- Home buyers doing due diligence before closing
- Families with infants, elderly, or immunocompromised members
- Anyone who hasn't tested their well in the past 3 years

LOCAL RESOURCES

Water Testing | Department of Environmental Protection - PA.GOV
<https://www.pa.gov/agencies/dep/residents/my-water/private-wells/water-testing>

Full county report
<https://yourwaterreport.com/states/pa/beaver-county/>

Free personalized well water report at
<https://yourwaterreport.com/states/pa/beaver-county/>

Data: EPA ECHO · USGS NWIS · Water Quality Portal · U.S. Census ACS
For informational purposes only. Contact a licensed professional for testing and treatment.