

Armstrong County has a moderate risk profile. Sulfate is the primary concern, driven by geological sources. Contamination is often invisible — testing is the only way to confirm your well's safety.

27%

HOUSEHOLDS ON
PRIVATE WELLS

Varies

PRIMARY
AQUIFER TYPE

MODERATE

OVERALL
RISK LEVEL

YOUR TOP WATER QUALITY RISKS

| CONTAMINANT | HOW COMMON | RISK LEVEL | SOURCE & CONTEXT |
|------------------|----------------------------|--------------|--|
| Sulfate* | ~28% above aesthetic limit | Moderate | Geological — Natural dissolution from gypsum and sulfate minerals |
| Radon† | ~100% of wells | Advisory | Geological — Radioactive gas dissolved from uranium-bearing rock |
| Chloride* | ~6% above aesthetic limit | Moderate | Road/Geological — Road salt application and natural mineral deposits |
| PFOA | ~2% above limit | Low–Moderate | Industrial — Firefighting foam and industrial manufacturing discharge |
| Nitrite | ~86% of wells | Low–Moderate | |

* 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 Sulfate, Radon, Chloride, PFOA, 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/armstrong-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 |
| PFOA detected | Health advisory level | Reverse osmosis 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/armstrong-county/>

Free personalized well water report at

<https://yourwaterreport.com/states/pa/armstrong-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.