

Jefferson County has a moderate risk profile. Radon is detected in ~92% 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

MODERATE
OVERALL
RISK LEVEL

YOUR TOP WATER QUALITY RISKS

| CONTAMINANT | HOW COMMON | RISK LEVEL | SOURCE & CONTEXT |
|------------------|---------------------------|---------------------|--|
| Radont | ~92% of wells | Advisory | Geological — Radioactive gas dissolved from uranium-bearing rock |
| Chloride* | ~8% above aesthetic limit | Moderate | Road/Geological — Road salt application and natural mineral deposits |
| PFOA | ~5% above limit | Moderate | Industrial — Firefighting foam and industrial manufacturing discharge |
| Sulfate* | ~2% above aesthetic limit | Low-Moderate | Geological — Natural dissolution from gypsum and sulfate minerals |
| Fluoride | ~67% of wells | Low-Moderate | Geological — Naturally elevated in some deep or volcanic aquifers |

* 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, Chloride, PFOA, Sulfate, 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/ny/jefferson-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 |
| Fluoride > 4 mg/L | EPA limit exceeded — skeletal risk | RO filter or activated alumina |

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

How to get your Drinking Water Tested in Hudson Valley New York and Connecticut - York Lab
<https://yorklab.com/how-to-get-your-drinking-water-tested-in-hudson-valley-new-york-and-connecticut/>

Full county report
<https://yourwaterreport.com/states/ny/jefferson-county/>

Free personalized well water report at <https://yourwaterreport.com/states/ny/jefferson-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.