

Hamilton 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
Chloride*	~25% above aesthetic limit	Moderate	Road/Geological — Road salt application and natural mineral deposits
Sulfate*	~18% above aesthetic limit	Moderate	Geological — Natural dissolution from gypsum and sulfate minerals
Uranium	~12% above limit	High	Geological — Naturally occurring in granitic and sedimentary bedrock
PFOS	~11% above limit	High	Industrial — Firefighting foam and industrial discharge

\* 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, Sulfate, Uranium, 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/oh/hamilton-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
Uranium > 30 µg/L	EPA limit exceeded — kidney risk	Reverse osmosis or ion exchange
PFOS 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

**Drinking Water | Brookside Laboratories, Inc.**  
<https://www.blinc.com/AVAILABLE-ENVIRONMENTAL-TESTS>  
**Full county report**  
<https://yourwaterreport.com/states/oh/hamilton-county/>

Free personalized well water report at  
<https://yourwaterreport.com/states/oh/hamilton-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.