

Butler County has an elevated risk profile. Manganese is the primary concern, driven by geological sources. Contamination is often invisible — testing is the only way to confirm your well's safety.

18%

HOUSEHOLDS ON PRIVATE WELLS

Varies

PRIMARY AQUIFER TYPE

ELEVATED

OVERALL RISK LEVEL

YOUR TOP WATER QUALITY RISKS

CONTAMINANT	HOW COMMON	RISK LEVEL	SOURCE & CONTEXT
Manganese*	~87% above aesthetic limit	Moderate	Geological — Found in reducing aquifer zones alongside iron
Iron*	~62% above aesthetic limit	Moderate	Geological — Common in glacial and alluvial aquifers; staining and taste
Nitrite	~44% above limit	High	
Chloride*	~12% above aesthetic limit	Moderate	Road/Geological — Road salt application and natural mineral deposits
PFOA	~8% above limit	Moderate	Industrial — Firefighting foam and industrial manufacturing discharge

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

WHAT TO DO NEXT

- Order a water test.**  
Test for Manganese, Iron, Nitrite, Chloride, 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/butler-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
Manganese > 0.05 mg/L	Aesthetic + health concern at high levels	Oxidation + filtration system
Iron > 0.3 mg/L	Staining, taste — aesthetic issue	Oxidizing iron filter
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/butler-county/>

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