

Middlesex 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.

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                                                         |
|-------------|----------------------------|------------|--------------------------------------------------------------------------|
| Manganese*  | ~63% above aesthetic limit | Moderate   | Geological — Found in reducing aquifer zones alongside iron              |
| Iron*       | ~54% above aesthetic limit | Moderate   | Geological — Common in glacial and alluvial aquifers; staining and taste |
| PFOA        | ~53% above limit           | High       | Industrial — Firefighting foam and industrial manufacturing discharge    |
| Radon†      | ~100% of wells             | Advisory   | Geological — Radioactive gas dissolved from uranium-bearing rock         |
| PFOS        | ~18% 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 Manganese, Iron, PFOA, Radon, 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/nj/middlesex-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            |
| Radon > 4,000 pCi/L   | EPA proposed limit; also affects indoor air | Aeration system; test indoor air  |
| 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

Full county report

<https://yourwaterreport.com/states/nj/middlesex-county/>

Free personalized well water report at  
<https://yourwaterreport.com/states/nj/middlesex-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.