



Drinking Water Well Sampling Process and Sample Result Reporting

Ellsworth Air Force Base Private Well Survey

Drinking Water Well Sampling Process

- Send drinking water well survey form to owners in survey area
- Schedule 30-minute appointment for drinking water well sampling
- Collect drinking water well information (e.g., depth, production rate)
- Collect sample in a sterile bottle by a uniformed contractor
- Ship sample overnight to certified laboratory



Drinking Water Well Sample Results Validation and Reporting

- Validate all sample results per U. S. Environmental Protection Agency (EPA) guidance
- Provide sample results to drinking water well owners within 60 days

Drinking Water Well Mitigation

- If the EPA Lifetime Health Advisory for perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) (70 parts per trillion) is exceeded, the Air Force will provide an alternative drinking water supply



If Your Drinking Water is Impacted

The Air Force will work with each affected well owner to determine the best solution for their needs

Short Term Solution

Bottled Water

If a private drinking water well is determined to have PFOS/PFOA concentrations that exceed the health advisory level, the Air Force would temporarily supply bottled water until a longer term solution is implemented.



Longer Term Solution

In-house Treatment by the Air Force

A carbon or reverse osmosis treatment system may be installed by the Air Force. The treatment system will include either a "Point-of-Entry" system that is installed at the main water line entering the house or a "Point-of-Use" system that is installed under a sink.



Example of a point-of-use system installed

Hook up to Public Water

The Air Force will evaluate connecting residences to a public water supply.



Hook up to a public water supply is one AF option



Example of a point-of-entry system installed

Note: Carbon and Osmosis are the two recommended treatment alternatives for PFOS/PFOA treatment