

Private Drinking Water Well Sampling and Analysis Plan

Plain-Language Summary

What is this plan?

This plan explains how private drinking water wells on property near and west of the MIPC Chelsea Facility will be tested to ensure the water is safe to use and consume. The testing described in the plan is required by the Pennsylvania Department of Environmental Protection (PADEP) related to a gasoline release that was discovered at MIPC's Chelsea Tank Farm.

Why is well water being tested?

Gasoline contains compounds that can move through soil and groundwater. This testing helps determine whether those compounds may have reached nearby private drinking water wells and whether the water remains safe for continued drinking and household use.

Who will be offered testing?

Properties and residences that use drinking water wells within 1,000 feet of MIPC's western property line are offered testing.

How will the sampling be done?

- A trained environmental professional will collect water samples from the wells.
- Samples will be taken directly from the well system following standard procedures.
- Samples will be sent to a PADEP-accredited third-party laboratory for analysis.

What chemicals will be tested?

Water will be tested for the designated list of gasoline-related compounds required by PADEP, including:

- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- Five other gasoline-related compounds

How will results be reviewed?

Results will be compared to safe drinking water standards set by PADEP and the U.S. Environmental Protection Agency. If levels are:

- Below standards – the water is considered safe to use.
- Above standards – PADEP will be notified and residents will be informed.

If results demonstrate concentrations above the standards, additional actions such as the installation of a point-of-entry water treatment system (POET) or further investigation may be required.

How will residents be informed?

Each homeowner will receive a phone call notifying them of their results followed by a letter containing their own results in writing. PADEP will also receive all results and summaries of the findings.

How frequently will private wells be sampled?

Water samples are planned to be collected monthly for private drinking water wells located on properties that adjoin the western boundary of the MIPC site. Monthly sampling is also planned for wells that may have detectable levels of gasoline-related compounds. Quarterly sampling is planned for wells located to the immediate west that do not adjoin the site. Sampling twice a year is planned for all other used drinking water wells within 1,000 feet of MIPC's western property line.