



Evaluation of Trichloroethylene (TCE) in Private Wells

Litton Systems, Inc. Site Public Meeting
Springfield, Missouri
November 7, 2019

Missouri Department of Health and Senior Services (DHSS)
Bureau of Environmental Epidemiology (BEE)

TCE Contamination of Private Wells

The U.S. Environmental Protection Agency Maximum Contaminant Level (MCL) for TCE is 5 µg/L, the standard set to ensure the safety of drinking water.

- Well sampling results collected to date show TCE detected in six private wells above the MCL. All other wells have been either non-detect or had detections below the MCL.

Additional sampling of private drinking water wells and investigations of the contaminant plume continue in the area.

Addressing Community Concerns

Public Health Consultation

- Initiated in response to community concerns.
- Will evaluate community exposures to TCE in private well water.
- The report will explain findings and present recommendations to protect public health.

Community Questionnaire

- Initiated to seek community input.
- Will help gather community concerns and identify how best to communicate with the community.

Evaluating Environmental Health Risks

Not all exposures cause harmful effects.

Our public health consultation will evaluate:

- The TCE concentrations detected in private wells
- How people may be exposed to TCE
 - drinking water ingestion
 - dermal contact with water
 - inhalation of vapors from household use of water
- TCE toxicity (what effects exposures might cause)
- The amount of exposure associated with increased risk of cancer or non-cancer effects
- How certain are the science and the assumptions relied upon, and how that uncertainty may affect the evaluation and the conclusions
- How potential risks may be reduced or minimized

For health-related questions, contact:



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