



Engineering Evaluation / Cost Analysis Provision of a Safe Potable Water Source for Five Kemp Lane Residences

**Information Brief
for
Restoration Advisory Board Meeting
6 November 2013**

Our mission: The US Army Garrison, Fort Detrick, One Team, serving the Community wherever they live, work, or play by providing sustainable base operations support, quality of life programs, and environmental stewardship to facilitate the sustainment of vital national interests.





Kemp Lane Residential Wells

- Periodic drinking water monitoring at residences located on Kemp Lane has been on going since the early 1990s.
- The properties are adjacent to and in close proximity to B-11 (principal contaminant source area).
- In 2005 and 2006 TCE and PCE were detected at levels below the US EPA's Maximum Contaminant Level (MCL) of 5 parts per billion (ppb) in two residential wells and at the MCL at a Fort Detrick boundary well.
 - Severe drought conditions at the time are believed to have been a factor, and
 - No additional TCE or PCE detections have occurred since the detections in 2005 and 2006.
- The Army has provided bottled water and continues to monitor the drinking water as a protective measure since the detections.



Kemp Lane Property Locations





Fort Detrick Area B EE/CA Overview

- The Army conducted an Engineering Evaluation / Cost Analysis (EE/CA) to evaluate options for providing a permanent source of safe potable water.
- The following options were evaluated:
 - No Further Action (serves as a baseline of comparison for alternatives)
 - Provide Bottled Water Service and Groundwater Monitoring
 - Connect Residences to the City Water Supply
- Connection to the city water supply is recommended based on:
 - Effectiveness: most effective in the long-term because it permanently removes access (all pathways) to the source of VOCs eliminating the potential health hazards at the site.
 - Implementability: the pipeline for the City of Frederick water supply runs in front of these homes.
 - Cost: cost effective and permanent solution.



Project Status

- ✓ Notify Kemp Lane residents of EE/CA recommendations (26 Aug 2013)
- ✓ Notify the RAB of EE/CA recommendations (28 Aug 2013)
- ✓ Public Notice (29 Aug 2013)
- ✓ EE/CA Public Comment Period (29 Aug 2013 – 12 Oct 2013)
 - No comments received
- ✓ Public Information Session (18 Aug 2013)
 - No comments received
- Document decision in an Action Memorandum
 - Draft memo under review
 - Final Document Dec 2013/Jan 2014
- Spring 2014 - Implement selected action



Discussion / Questions