MILITARY RESEARCH AND DEVELOPMENT APPLICATIONS FOR SAFE FIELD DRINKING WATER

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This presentation will address the R&D efforts by some of the DoD agencies pursuing the next generation of water purification equipment and the speaker’s research at Penn State University with Dr. Brian Dempsey to optimize the use of coagulation pretreatment and ultrafiltration membranes for field water purification.

These research and development efforts present challenges and opportunities especially regarding informed and up-to-date application of the principles of health risk assessment and operational risk management to ensure safe drinking water for deployed troops.