

Michael Ware, Research Microbiologist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

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Area of Expertise: My research has focused primarily on waterborne parasites such as Giardia and Cryptosporidium. The primary focus has been on parasite detection methods development, improvement, and evaluation. A secondary focus has been evaluating the effectiveness of chemical and physical disinfection approaches to inactivate cysts and oocysts. Future research goals include characterizing detected parasites for infectivity and species by molecular and other methods.

Select Publications:

King, D., S. Pfaller, M. Donohue, S. Vesper, E. Villegas, M. Ware, S. Glassmeyer, M. Vogal, E. Furlong, AND D. Kolpin. Microbial pathogens in source and treated waters from drinking water treatment plants in the United States and implications for human health. *SCIENCE OF THE TOTAL ENVIRONMENT*. Elsevier BV, AMSTERDAM, Netherlands, 562:987–995, (2016).

Fout, Shay, N. Brinkman, J. Cashdollar, S. Griffin, A. Korajkic, B. McMinn, E. Varughese, M. Ware, E. Rhodes, A. Grimm, AND C. Li. Comparison of EPA Method 1615 RT-qPCR Assays in Standard and Kit Format. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-15/130, 2015.

Rhodes, E., L. Boczek, M. Ware, M. McKay, J. Hoelle, M. Schoen, AND E. Villegas. Determining pathogen and indicator levels in Class B municipal organic residuals used for land application. *JOURNAL OF ENVIRONMENTAL QUALITY*. American Society of Agronomy, MADISON, WI, 44(1):265-274, (2015).

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Education:

- M.S., Environmental Sciences, University of Cincinnati, 1996
- B.S., Biological Sciences, Northern Kentucky University, 1989

Professional Experience:

- Research Microbiologist, USEPA, ORD, NERL-MCEARD, Cincinnati, OH 2002-present
- Laboratory Technician, USEPA, ORD, NERL-MCEARD, Cincinnati, OH 1998-2002
- Microbiologist, International Consulting, Inc., Cincinnati, OH 1997–1998
- Fellow, Oak Ridge Institute for Science and Engineering, Cincinnati, OH 1994–1996
- Research Assistant, University of Cincinnati, Cincinnati, OH 1990–1993