

## Dennis Lye, Research Microbiologist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

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**Area of Expertise:** Dennis Lye performs research in areas including occurrence and persistence of opportunistic pathogens in drinking water systems and water sources; development of animal-based methods for assessing risk analysis of microorganisms exposed to immunocompromised populations; monitoring and assessment of sustainable reclaimed water resources for both non-potable and potable usage.

### Select Publications:

Thomas, R.B., Kirisits, M.J., Lye, D., and K. A. Kinney. 2014. Rainwater Harvesting in the United States: A Survey Of Common System Practices. *Journal of Cleaner Production* 75:166-173

Lye, D. and A. Waits. 2013. Technologies and Innovative Solutions for Harvesting and Nonpotable Use of Rain and Stormwater in Urban Settings. EPA Report - EPA/600/S-13/196

Shuster, W.D., Lye, D., De La Cruz, A., Rhea, L.K., O'Connell, K., and A. Kelty. 2013. Assessment of Residential Rain Barrel Water Quality and use in Cincinnati, Ohio. *Journal of the American Water Resources Association* 49(4): 753-765

Lye, D.J. 2011. Gastrointestinal Colonization rates for Human Clinical Isolates of *Aeromonas veronii* using a Mouse Model. *Current Microbiology* 63:332-336

Sen, K., Acosta, J., and D.J. Lye. 2011. Effects of Prolonged Chlorine Exposures upon PCR Detection of *Helicobacter pylori* DNA. *Current Microbiology* 62(3):727-732.

Hayes, S.L., Lye, D.J., McKinstry, C.A., and S.J. Vesper. 2010. *Aeromonas caviae* strain induces Th1 cytokineresponse in mouse intestinal tract. *Canadian Journal of Microbiology* 56:27-31

View more research publications by [Dennis Lye](#).

### Education:

- Ph.D. Bacteriology, Arizona State University, 1980
- M.S. Bacteriology, Iowa State University, 1975
- B.S. Agriculture, University of Wyoming, 1973

**Professional Experience:**

- Research Microbiologist, USEPA, ORD, NERL-MCEARD, Cincinnati, OH 1986-present
- Associate Professor, Department of Biological Sciences, Highland Heights, KY 1984-2005