

Chronological Listing of Publications Related to Microbially-Mediated Water Quality Deterioration

Illinois Ground Waters and Treatment Plants, 1908-1981

- Knirk, C.F., Natural Gas in the Glacial Drift of Champaign County, *Illinois State Geological Survey, Bulletin No. 14*, Yearbook for 1908.
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- Meents, W.F., Glacial-Drift Gas in Illinois, *Illinois State Geological Survey, Circular 292*, 1960
- Komolrit, K., Measurement of Redox Potential and Determination of Ferrous Iron in Groundwaters, MS Thesis (John T. O'Connor, Advisor), University of Illinois, 1962.
- Larson, T.E., Deterioration of Water Quality in Distribution Systems, *J. American Water Works Association*, 58:1307-1316, 1964.
- Ghosh, M.M., O'Connor, J.T., and Englebrecht, R.S., Precipitation of Iron in Aerated Ground Water, *Journal of the Sanitary Engineering Division, American Society of Civil Engineers*, 92, No. SA1:199-213, 1966.
- Robinson, L.R., O'Connor, J.T., and Englebrecht, R.S., Organic Materials in Illinois Ground Waters, *Journal of the American Water Works Association*, February 1967.
- O'Connor, J.T., and Baliga, K.Y., Control of Bacterial Growths in Rapid Sand Filters, *Journal of the Sanitary Engineering Division, ASCE*, 96: 7, No. SA6:1377-1386, December 1970.
- Baliga, K.Y., and O'Connor, J.T., Biologically-Mediated Chemical Changes in the Filtration of Aerated Ground Waters, *Journal of the American Water Works Association*, 63:292-297, May 1971.
- O'Connor, J.T., Iron and Manganese Removal (Chapter 11) *Water Quality and Treatment, A Handbook of Public Water Supplies, American Water Works Association, McGraw-Hill, Third Edition*, 1971.
- Gunsalus, R.P., Zeikus, J.G., and Wolfe, R.S., Microbial Modification of Groundwater, University of Illinois Water Resources Center Report #57, 1972.
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- Meents, W.F., Analysis of Natural Gas in Illinois, *ISGS, Illinois Petroleum 122*, 1981

Missouri Water Distribution Systems, 1975-1992

- Banerji, S.K., Knocke, W.R., Lee, S.H., and O'Connor, J.T., Biologically Mediated Water Quality Changes in Water Distribution Systems (Part I), *Proceedings, Annual Conference, American Water Works Association*, June 1977.
- Lee, S.H., O'Connor, J.T., and Banerji, S.K., Biologically Mediated Deterioration of Water Quality in Distribution Systems, (Part 2), *Proceedings, American Water Works Association, Water Quality Technology Conference, Kansas City, Missouri*, December

1977.

- Lee, S.H., O'Connor, J.T., and Banerji, S.K., Biologically Mediated Corrosion and Water Quality Deterioration, *Proceedings, American Water Works Association, Water Quality Technology Conference, Philadelphia, Pennsylvania*, December 1979.
- Lee, S.H., O'Connor, J.T., and Banerji, S.K., Biologically Mediated Corrosion and its Effects on Water Quality in Distribution Systems, *Journal of the American Water Works Association*, 72:636-645, November 1980.
- Prakash, T.M., Banerji, S.K., and O'Connor, J.T., Development of a Pipe Manifold System for Monitoring Water Quality in Water Distribution Systems, *Proceedings, Annual Conference, American Water Works Association*, Nashville, Tennessee, December 1982.
- Banerji, S.K., O'Connor, J.T., and Huang, D.J.S., Polyphosphate Additions for Corrosion Control in Water Distribution Systems, *Proceedings, National Conference on Environmental Engineering, American Society of Civil Engineers, Boulder, Colorado*, July 1983.
- O'Connor, J.T., and Banerji, S.K., Biologically-Mediated Corrosion and Water Quality Deterioration in Distribution Systems, *Municipal Environmental Research Laboratory, Office of Research and Development, USEPA, Cincinnati, Ohio*, EPA-600/52-84-056 (NTIS Order No. PB-84-157-494) April 1984.
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Midwestern Water Systems, 1992-1998

Brazos, B.J., O'Connor, J.T., and Klekamp, Ken, *Control of Water Quality Deterioration in Water Distribution Systems: Washington, Illinois Employs a Novel Method to Remove Ammonium Ion and Control Nitrification During Distribution*, *Public Works*, November, 1996.

Brazos, B.J., and O'Connor, J.T., Evaluation of Rapid Sand Filters for Control of Microorganisms in Drinking Water,
Parts One and Two, *Public Works*, Vol. 120, Nos. 3-4 :March-April, 1997.

Murphy, B., O'Connor, J.T., and O'Connor, T.L., Willmar, Minnesota Battles Copper Corrosion
Part 1: The Problem and the Search for Effective Treatment Alternatives
Part 2: Nitrification, Bacteria and Copper Corrosion in Household Plumbing
Part 3: Results of Pilot Plant Column and Copper Pipe Test Loop Studies
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Part 1. Presence of Methane in Illinois Well Water Supplies
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