REFERENCES

Master List

MIT Household Drinking Water Treatment, Safe Storage, Wastewater/Sanitation Projects in Nepal, Haiti, Nicaragua, Peru, Dominican Republic, Brazil and Puerto Rico 1999-2004

Susan Murcott <murcott@mit.edu>
Massachusetts Institute of Technology
Department of Civil and Environmental Engineering

OUTLINE:

- 1. MIT MASTER OF ENGINEERING PROGRAM HOUSEHOLD DRINKING WATER AND SAFE STORAGE REFERENCES ALPHABETICAL ORDER
- 2. MURCOTT REFERENCES ON HOUSEHOLD WATER TREATMENT/SAFE STORAGE REFERENCES CHRONOLOGICAL ORDER
- 3. VIDEO REFERENCES
- 4. WEB SITE REFERENCES
- 5. ALL MIT MASTER OF ENGINEERING PROGRAM WATER/SANITATION IN DEVELOPING COUNTRY REFERENCES ALPHABETICAL ORDER
- 6. HARLEMAN, MURCOTT CEPT PUBLICATION REFERENCES-CHRONOLOGICAL ORDER
- 7. HWTS THESIS AND REPORTS FROM OTHER UNIVERSITIES

1. HOUSEHOLD DRINKING WATER AND SAFE STORAGE REFERENCES – ALPHABETICAL ORDER

Bittner, A., Halsey, T., Khayyat, A., Luu, K., Maag, B., Murcott, S., Sagara, J., Wolfe, A. 2002. "Drinking Water Quality and Point-of-Use Treatment in Nepal." Master of Engineering Nepal 2002 *Civil Engineering Practice*. Vol. 17. No. 1. Spring/Summer, 2002.

Bittner, Andy. 2000. "Nepal Drinking Water Quality Assessment: Nitrates and Ammonia." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts May 5, 2000.

Brin, Genevieve. 2003. "Evaluation of the Safe Water System in Jolivert Haiti by Bacteriological Testing and Public Health Survey." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Buscemi, Pablo. 2003. Integrating Water Resources Management - Analysis of the St. Thomas, U.S. Virgin Islands Water Market. Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Borucke, Michael Joseph. 2002. "Filtration of Giardia Cysts from Haitian Drinking Water." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Cadena, Noramay J. 2003. "MIT 2.009 Ceramic Water Filter Design and Press and Preliminary Field Testings in Managua, Nicaragua" Bachelor of Science Thesis Massachusetts Institute of Technology, Department of Mechanical Engineering Joint Project with Civil and Environmental Engineering Dept. Cambridge, Ma.

Cerilles, Jeffrey, Lieu, Charlie, Obizhaeva, Anya. H2O-1B! "Bringing Safe Water to the World." Joint Project of the MIT Sloan School of Management Global Entrepeneurship Lab (15.389) and the Civil and Environmental Engineering Department, Masters of Engineering Program. January 2003

Cervantes, Déborah Xanat Flores. 2003. Feasibility of Semi-Continuous Solar Disinfection System for Developing Countries at a Household Level. Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Cheung, Lily W. "Design of a Prototype Household Drinking Water Containment System Bachelor of Science Thesis Massachusetts Institute of Technology, Department of Mechanical Engineering. Joint Project with Civil and Environmental Engineering Dept. Cambridge, Ma.

Coulbert, Brittany. 2004. "A Technical Evaluation of Two Drinking Water Treatment Systems: "Table Filters" (*Filtros de Mesa*) and Household Chlorination in an Emergency Relief Program in La Joya District, Peru" Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Coulbert, B. and Donison, K. 2004. "Laboratory Comparison of the Peruvian Table Filter and the Biosand Filter." Master of Engineering Group Report. May 19, 2004. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Dies, R., Flores, X., Green, H., Pincus, M., Poh, S.C., Richards, A.Tabbal, G. 2003. Point-of-Use Water Treatment Technology Investigations in Nepal. ." Master of Engineering Group Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Dies, Robert. 2003. Development of a Ceramic Water Filter for Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Dies, R., Wilson, B., Perreault, S., and Jones, L.A. "CeraMIT: Report of Activity Nepal" Joint Project of the MIT Sloan School of Management Global Entrepeneurship Lab (15.389) and the Civil and Environmental Engineering Department, Masters of Engineering Program. January 2003

Donison, Kori. 2004. "Household Scale Slow Sand Filtration in the Dominican Republic." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Elice, Sara Jo. 2002. "Chlorine Demand in Haitian Water Supplies." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Gao, Yongxuan. 2002. "Tubewell Maintanence in Butwal, Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Gao, Y., Hwang, S.K., Low, C.S., Lukacs, H., Morganti, L., Ngai, T., Poole, B., Sullivan, H., 2002. "MIT Nepal Water Project Group Report 2001-2002. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Halsey. Patricia. 2000. "Arsenic Contamination Study of Drinking Water in Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts May 5, 2000.

Hurd, J., Lee, Tse-Luen, Paynter, N., and Smith, M. 2001. "Nepal Water Project." Master of Engineering Nepal 2001 Group Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts. May 2001.

Hurd, Jessica. 2001. "Evaluation of Three Arsenic Remediation Technologies in Nepal." Master of Environmental Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts. May 11, 2001

Hwang, Kathy. 2003. "Redesign of Water Health International UV Disinfection System." (check exact title). Bachelor of Science Thesis. Department of Mechanical Engineering, Joint Project with Civil and Environmental Engineering Dept. Massachusetts Institute of Technology, Cambridge, Ma.

Hwang, Rebeca and Miller, Bruno. 2002. Sustainable Solutions for Water Treatment and Monitoring in Developing Countries. ." Paper published at: http://www.thinkcycle.org and delivered at Development by Design 2002 Conference, Shristi, Bangalore, India

Hwang, Rebeca. 2003. "Six Month Field Monitoring of Point-of-Use Ceramic Water Filter by Using H2S Paper Strip Most Probable Number Method in San Francisco Libre, Nicaragua." Master of Environmental Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Hwang, Soon Kyu. 2002. "Point of Use Arsenic Removal from Drinking Water in Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Khayyatt, Amer. 2000. "Study of Point of Use Treatment Methods for the Disinfection of Drinking Water in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2000

Koop, J., Larson, K., Narisaranukul, N., and Young, J. Evaluating the Feasibility of Dlo Prop Business Models in Haiti. Term paper for Entrepeneurship without Borders 15.395. MIT, Cambridge, Ma.

Lantagne, Daniele. 2001. "Trihalomethane Formation in Rural Household Water Filtration in Haiti." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Lantagne, D., Mohamed, F., Oates, P., and van Zyl, N. 2001. "Haiti Group Report-M.Eng. 2001." Master of Engineering Haiti 2001 Group Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Lantagne, Daniele, 2001. Investigation of the Potters for Peace Colloidal Silver Impregnmated Ceramic Filter. Report 1: Intrinsic Effectiveness. Report prepared for U.S. AID. Washington D.C. December 21, 2001.

Lantagne, Daniele, 2001. Investigation of the Potters for Peace Colloidal Silver Impregnmated Ceramic Filter. Report 2: Field Investigations. Report prepared for U.S. AID. Washington D.C. November 18, 2001.

Lantagne, D., P. Gschwend, and P. Shanahan, "Point-Of-Use Water Filtration in Rural Haiti: "Trihalomethane Production and Factors for Program Success." WEFTEC Latin America 2001, San Juan, Puerto Rico, November 11-14, 2001.

Lantagne, D., F. Mohammed, P. Oates, N. van Zyl. "Point-of-Use Water Filtration in Rural Haiti." MIT Media Lab Development by Design Conference, www.thinkcycle.org, July, 2001.

Lee, Tse-Luen. 2001. "Biosand Household Water Filter Project in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Low, Chian Siong. 2002. "Appropriate Microbial Indicator Tests for Drinking Water in Developing Countries and Assessment of Ceramic Water Filters." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Lukacs, Heather. 2002. "From Design to Implementation: Innovative Slow Sand Filtration for Use in Developing Countries." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Luu, Kim. 2000. "Study of Coagulation and Settling Processes for Implementation in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2000

Miller, B., Murcott, S., and Prestero, T. "Appropriate Water Purification Technology for Nicaragua – the Biosand Filter." Design that Matters. Media Lab. Final Review Presentation. May 13, 2002.

Mohamed, Farzana S. 2001. "Household-level Point of Use Water Filtration in Haiti: Strategies for Program Management and Sustainability." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Morganti, Luca. 2002. "Sodium Hypochlorite Generation for Drinking Water Disinfection in Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

- Murcott, S. and Lukacs, H. 2002. "Household Water Treatment in Nepal." Paper published at: http://www.thinkcycle.org and delivered at Development by Design 2002 Conference, Shristi, Bangalore, India.
- Murcott, S., Hurd, J., Ngai, T., Poole, B. and Hwang, Soon Kyu "Phase I Evaluation of Seven Arsenic Remediation Technologies in Nepal. Poster Presentation at the 5th International Conference on Arsenic Exposure and Health Effects, Society for Environmental Geochemistry and Health. July 14-18, 2002. San Diego, CA.
- Ngai, Tommy. 2002. "Iron-Oxide Coated Sand." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.
- Ngai, T., Walewijk, S. "The Arsenic Biosand Filter (ABF) Project: Design of an Appropriate Household Drinking Water Filter for Rural Nepal". Massachusetts Institute of Technology, Department of Civil and Environmental Engineering. July 2003. http://ceemeng.mit.edu/~water -> documents
- Ngai, T. "Arsenic Biosand Filter (Kanchan Filter) Development and Findings". Presentation. Workshop on Information Dissemination on Arsenic Biosand Filter (ABF) Project for Rural Nepal, Environment & Public Health Organization, Kathmandu, Nepal. May 25, 2004
- Ngai, T., Murcott, S., Shrestha, R. "Implementation of the Arsenic Biosand Filter (ABF) in Rural Nepal". Conference Proceedings. International Business and Education Conference: A Focus on Water Management. Worcester Polytechnic Institute, Massachusetts, USA. June 26, 2004.
- Ngai, T., Murcott, S., Shrestha, R., Pokharel, K., Walewijk, S. "The Implementation of Arsenic Biosand Filter in Rural Nepal". Conference Proceedings. International Conference on the Evaluation and Management of Drinking Water Sources Contaminated with Arsenic, University of Chile at Santiago, Chile, November 8-11, 2004
- Ngai, T., Murcott, S., Shrestha, R., Dahal, B., Dangol, B. "Arsenic Biosand Filter An Appropriate Drinking Water Solution for Rural Nepal". Conference Proceedings. International Conference on Security and Sustainability in Water Resources Kathmandu, Nepal. September 6-9, 2004
- Ngai, T. Murcott, S., Shrestha, R. "Arsenic Biosand Filter (ABF) The Development of an Appropriate Drinking Water Solution for Rural Nepal". Conference Proceedings. International symposium and Workshop on "Technology to overcome the pressures of a changing earth: In search of a new intermediate technology for the local community". Kyoto Institute for Eco-sound Social Systems (KIESS), Kyoto, Japan. November 14-16, 2004.

Ngai, T. Murcott, S., Shrestha, R. "Arsenic Biosand Filter (ABF) – The Development of an Appropriate Drinking Water Solution for Rural Nepal". Conference Proceedings. The 9th Asia Arsenic Forum. Asia Arsenic Network and Research Group of Applied Geology. Yokohama, Japan. November 20-23, 2004.

Oates, Peter . 2001. "Solar Disinfection for Point of Use Water Treatment In Haiti." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Oates, P., Shanahan, P., and Polz, Martin. 2003. "Solar Disinfection (SODIS) Simulation of Solar Radiation for Global Assessment and Application of Point-of-use Treatment in Haiti. *Water Research* 37 (2003) 47-54

Parsons, Julia. 2002. "Evaluating Solar Disinfection for Point-of-Use Water Treatment in Non-Tropical Climates." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Paynter, Nathaniel. 2001. "Household Water Use and Treatment Practices in Rural Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Pincus, Melanie. 2003. "Safe Household Drinking Water via Biosand Filtration: Pilot Project Evaluation and Feasibility Study of a Biosand Pitcher Filter." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Poole, Barika. 2002. "Iron-Oxide Coated Sand." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Sagara, Junko. 2001. "Study of Filtration for Point-of-Use Drinking Water Treatment in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2000

Smith, Meghan. 2001." Microbial Contamination and Removal From Drinking Water in the Terai Region of Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001.

Sullivan, Hannah. 2002. "Household Water Chlorination for the Developing World: a Case Study in Lumbini, Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Tabbal, Georges. 2003. "Technical and Social Evaluation of Three Arsenic Remediation Technologies." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Van Zyl, Nadine. 2001. "Sodium Hypochlorite Generation for Household Water Disinfection in Haiti." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Varghese, Arun. 2002. Point-of-Use Water Treatment Systems in Rural Haiti: Human Health and Water Quality Impact Assessment." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Varghese, A., Parsons, J., Borucke, M. and Elice, S. 2002. "Point-of-Use Water Treatment in Haiti." Master of Engineering Haiti Group Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Wolfe, Andrea. 2000. "Microbial Contamination in the Kathmandu Valley Drinking Water Supply and Bagmati River." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts May 5, 2000.

Yamana, T. 2003. "Further Investigations of the CTI8 Chlorinator" UROP Final Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Yamana, T. "San Francisco Libre Filtrón Monitoring Program Follow-up to: : Hwang, Rebeca. 2003. "Six Month Field Monitoring of Point-of-Use Ceramic Water Filter by Using H2S Paper Strip Most Probable Number Method in San Francisco Libre, Nicaragua" Master of Engineering Thesis." Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts May 31, 2000.

Yildizbayrak, Basak, Moschos, Nikos, Tamar, Tamer, and Le Tallec, Yann. "Distribution of Arsenic Biosand Filters in Rural Nepal." Joint Project of the MIT Sloan School of Management Global Entrepeneurship Lab (15.389) and the Civil and Environmental Engineering Department, Masters of Engineering Program. April, 2004

2. MURCOTT REFERENCES ON HOUSEHOLD WATER TREATMENT/SAFE STORAGE

Murcott Public Presentations

2004

- Murcott, S. "Arsenic Biosand Filter: An Appropriate Water Filter for Rural Nepal." New England Water Environment Association and Water for People. University of New Hampshire, Durham, NH. October 14, 2004
- Murcott, S. "Engineers as Peace Partners Enacting Global Citizenship and Security in a Sustainable World" Engineers for a Sustainable World Conference. Stanford University, Palo Alto, Ca. September 30 Oct. 2, 2004
- Murcott, S. "Innovation in Household Water Treatment in Nepal, Haiti and Nicaragua." Special Session on Household Drinking Water Treatment. International Water Association World Water Congress. Marrakech, Morocco. September 23, 2004
- Murcott, S. "Comparing "Table Filters" (*Filtros de Mesa*) to the Safe Water System and Biosand Filters in Treating Highly Contaminated Drinking Water from Irrigation Canals in Peru." International Conference on Household Drinking Water Treatment and the Safe Water System. Centers for Disease Control/CARE/Population Services International/Emory University. Nairobi, Kenya. June 16- 17, 2004.
- Murcott, S., Ngai, T., Shrestha, R., Pokharel, K., and Walewijk, S. "Implementation of the Arsenic Biosand Filter in Nepal." American Geophysical Union (AGU) Annual Conference. Montreal, Canada. May 17 21, 2004.
- Murcott, S. "Working with Communities in Developing Countries." "Design that Matters: Open Source Collaborative Prototyping Studio for Design with Real-World Communities. Media Lab. MIT, Cambridge, Ma. March 11, 2004
- Murcott, S. "Water and Sanitation Field Work in Developing Countries." Kick-off lecture Jennifer Davis's course 11.479 "Water and Sanitation Infrastructure Planning in Developing Countries. Cambridge University, Cambridge, U.K. January 30, 2004
- Murcott, S. and Coulbert, B. "Implementation of Household Drinking Water Treatment Systems in Three Developing Countries." Pan American Health Organization/CEPIS Lima, Peru. January 23, 2004

2003

Murcott, S. "Experience with Engineering Student Projects in Developing Countries 1998-2003." Engineers without Frontiers-USA National Conference. Cornell University. Ithaca, N.Y. September $18-20,\,2003$.

- Murcott, S. "Experience with Household Arsenic Remediation Technologies in Nepal from 1999-2003." Engineers without Frontiers-USA National Conference. Engineers without Frontiers-USA National Conference. Cornell University, Ithaca, N.Y. September 18 20, 2003.
- Murcott, S. Pan American Health Organization: "MIT Household Water Treatment Projects in Developing Countries" Press conference of the International Network to Promote Safe Household Water Treatment and Safe Storage. Washington D.C. June 5, 2003.
- Murcott, S. "Role of Sustainable Technologies in Clean Water for 1+ Billion People" Organized by MIT student chapter of Engineers without Frontiers and Students for Global Sustainability. MIT. Cambridge, Ma. May 8, 2003.
- Murcott, S. "Clean Water for 1 Billion People: MIT Water Projects in Developing Countries." Stanford University. Civil and Environmental Engineering Dept., Palo Alto, Ca. May 12, 2003
- Murcott, S. "Water, Medical Technology and our Global Family: Clean Water for 1 Billion People?" Presentation as part of a series and exhibit in the Medical Technologies Exhibition in Current Science and Technology. Boston Musuem of Science. Boston, Ma. May 11, 2003, August 3, 2003, October 18, 2003
- Murcott, S. "Engineers as Global Citizens." Organized by the Engineers without Borders student chapter. University of New Hampshire. Durham, N.H. April 25, 2003
- Murcott, S. "Engineers as Global Citizens" CEE Dept. Pennsylvania State University State College, Pa. March 24, 2003

2002

- Murcott, S. "Clean Water for 1.7 Billion People: MIT Water Projects in Developing Countries." Organized by Engineers without Borders-UK, Cambridge University chapter. Cambridge University, Cambridge, UK. November 21, 2002
- Murcott, S. "Clean Water for 1.7 Billion People: MIT Water Projects in Developing Countries." Organized by the "Hall of Global Environmental Research and School of Global Environmental Studies Graduate School." Kyoto University, Kyoto, Japan. October 22, 2002
- Murcott, S. "Water for Life: Clean Water for 1.7 Billion People?" Department of Civil and Environmental Engineering. University of California-Berkeley. March 14, 2002
- Murcott, S. "Design that Matters; Open Source Collaborative Prototyping Studio for Design with Real-World Communities. Media Lab. April 1, 2002

MIT Course 11.479: "Water and Sanitation Infrastructure Planning in Developing Countries" Cambridge, Ma. February 25, 2002

Murcott, S. MIT Sloan School Course: "Development Entrepeneurship" Cambridge, Ma. February 25, 2002

Murcott, S., Hurd, J., Ngai, T., Poole, B. and Hwang, Soon Kyu. 2002. "Phase I Evaluation of Seven Arsenic Remediation Technologies in Nepal." Poster Presentation. 5th International Conference on Arsenic Exposure and Health Effects. Society for Environmental Geochemistry and Health. July 14-18, 2002. San Diego, CA.

2001

Murcott, S. "Design that Matters; Open Source Collaborative Prototyping Studio for Design with Real-World Communities." MIT Media Lab. Cambridge Ma. March 5, 2001

Murcott, S.: "Water and Sanitation Infrastructure Planning in Developing Countries" Urban Studies Department, MIT Course 11.479. Cambridge, Ma. February 11, 1999

1998

Murcott, S. "Water Supply, Quality, and Treatment in a Rural Village in Myanmar." MIT Masters of Engineering "Concepts" Course. 1.133. Cambridge, Ma. October 23, 1998.

Publications

2004

Murcott, S. 2004.: **Global and Local Issues in Achieving the Human Right to Water**. 5th Japan-US Seminar on Sustainable Living." Hosted by Japan Association for Environment and Society for the 21st Century. Honolulu, HI June 26-28, 2004. http://www.sustainableliving.org

2003

Murcott, S. 2002. **Web Site Arsenic Remediation Database of > 50 Options.** In: <u>Arsenic Exposure and Health Effects V</u>. Proceedings of the 5th International Conference on Arsenic Exposure and Health Effects, July 14-18, 2002. San Diego, CA. W.R. Chappell, C.O. Abernathy and R.L. Calberon, Eds. London: Elsevier Science Ltd.

2002

Murcott, S. 2002. New Technologies for Arsenic Contaminated Drinking Water Remediation. Abstract of presentation published in the 2002 "Program of Abstracts" of the Arsenic in New England: A Multi-disciplinary Scientific Conference. May 29-31,

2002 Manchester, New Hampshire. Sponsored by the National Institute of Environmental Health Sciences, Superfund Basic Research Program..

Murcott, S. and Lukacs, H. 2002. **Household Water Treatment in Nepal**. Paper published at: http://www.thinkcycle.org and delivered at Development by Design 2002 Conference, Shristi, Bangalore, India.

Bittner, A. Khayyat, A., Luu, K., Maag, B., Murcott, S., Pinto, P., Sagara, J. and Wolfe, A. 2002. **Drinking Water Quality and Point-of-Use Treatment Studies in Nepal**. *Civil Engineering Practice*. Vol. 17, No. 1. Spring/Summer 2002.

2001

Murcott, S. 2001. **A Comprehensive Review of Low-Cost, Well Water Treatment Technologies for Arsenic Removal.** In: <u>Arsenic Exposure and Health Effects IV</u>. Proceedings of the 4th International Conference on Arsenic Exposure and Health Effects, June 18 – 22, 2000. Society for Environmental Geochemistry and Health. San Diego, CA. W.R. Chappell, C.O. Abernathy and R.L. Calberon, Eds. London: Elsevier Science Ltd.

Murcott, S. "Clean Water for 1.7 Billion People?" Paper/presentation at "Development by Design" Workshop, MIT Media Lab. Cambridge, Ma. July 22, 2001. http://thinkcycle.org/dyd

Bittner, A., Halsey, T., Khayyat, A., Luu, K., Maag, B., Murcott, S., Sagara, J., Wolfe, A. 2001. **Drinking Water Quality and Point of Use Treatment Studies in Nepal**. *Civil Engineering Practice*. Fall/Winter 2001.

2000

Murcott, S. 2000. **Home Water Treatment for Rural Areas in Nepal.** In: Proceedings of the 6th International Conference on Buddhist Women. Lumbini, Nepal. February 2, 2000

Murcott, S. and Spruijt, H. 2000. "Clean Water for One Billion People?: The MIT Nepal Water Project." MIT Video Productions. Cambridge, Ma. March 21, 2000. http://caes.mit.edu/mvp

Murcott, S. 2000. Water for Life -- Jivankolagi Pani -- Experiences with Appropriate Drinking Water Treatment Technology Transfer and Water Quality Testing in Nepal. Keynote speaker. "The Bonds Between Women and Water: An Interdisciplinary Conference." University of Minnesota - Duluth. September 28 - 30, 2000

1999

Murcott, S. 1999. **Appropriate Remediation Technologies for Arsenic-Contaminated Wells in Bangladesh**. In: Proceedings of the International Conference on Arsenic in Ground Water in Bangladesh: Sources and Remedies" Wagner College, Staten Island, New York, Feb. 27 - 28, 1999

3. VIDEOS

- 1. "Clean Water for 1+ Billion People?" Produced by the Musuem of Science
- 2. "MIT Nepal Water Project." Produced by Craig Milanesi, MIT Advanced Media Productions Services. Aired at MIT Commencement June 9, 2003. Available at:
- 3. "Next Technological Revolution: Clean Water for 1 Billion People." http://web.mit.edu/webcase/sloan/mit-sloan50th-s1-11oct02-220k.ram
- 4. "Clean Water for 1 Billion People?" Produced by Susan Murcott and Jay Collier, MIT Video Productions. http://caes.mit.edu/mvp/html/nepal.html

4. WEB SITES

MIT Master of Engineering Program http://ceemeng.mit.edu

MIT Water and Sanitation Projects in Developing Countries http://ceemeng.mit.edu/~water

Arsenic Remediation Technologies Online Informational Database http://web.mit.edu/murcott/www/arsenic

Coveney, Donna. Nepal Water Project Photo Gallery. May 22, 2002 http://web.mit.edu/newsoffice/tt/2002/may22/nepalphotos.html

Murcott Home Page

http://web.mit.edu/civenv/html/people/faculty/murcott.html

Susan Murcott Open Door Interview: March 2002 http://alumweb.mit.edu/opendoor/200203/murcott.shtml

5. ALL MIT MASTER OF ENGINEERING PROGRAM WATER/SANITATION IN DEVELOPING COUNTRY REFERENCES – ALPHABETICAL ORDER

Bittner, A., Halsey, T., Khayyat, A., Luu, K., Maag, B., Murcott, S., Sagara, J., Wolfe, A. 2002. "Drinking Water Quality and Point-of-Use Treatment in Nepal." Master of

Engineering Nepal 2002 Civil Engineering Practice. Vol. 17. No. 1. Spring/Summer, 2002.

Bittner, Andy. 2000. "Nepal Drinking Water Quality Assessment: Nitrates and Ammonia." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts May 5, 2000.

Brin, Genevieve. 2003. "Evaluation of the Safe Water System in Jolivert Haiti by Bacteriological Testing and Public Health Survey." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Borucke, Michael Joseph. 2002. "Filtration of Giardia Cysts from Haitian Drinking Water." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Bourke, M. 2000. "Full Scale Study of Chemically Enhanced Primary Treatment in Rivera de Sao Lourenco, Brazil." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Cabral, C., Chagnon, F., Gotovac, D., Harleman, D., and Murcott, S. 2000. "Design of a Chemically Enhanced Wastewater Treatment Lagoon in Brazil." Paper presented at: Environmental Forum Columbia – Canada: Solution to Environmental Problems in Latin America Cartagena de Indias, Colombia May 24 – 26, 2000

Cabral, C. 1999. _____ Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Cervantes, Déborah Xanat Flores. 2003. Feasibility of Semi-Continuous Solar Disinfection System for Developing Countries at a Household Level. Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Chagnon, F. 1999. "Design and Dynamic Modeling of Waste Stabilization Ponds." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Choi, Nancy. 2003. "Design of a Wastewater Collection System for the Historical Center of Paraty, Brazil." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Coulbert, B. and Donison, K. 2004. "Laboratory Comparison of the Peruvian Table Filter and the Biosand Filter." Master of Engineering Group Report. May 19, 2004.

Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Dies, R., Flores, X., Green, H., Pincus, M., Poh, S.C., Richards, A.Tabbal, G. 2003. Point-of-Use Water Treatment Technology Investigations in Nepal. ." Master of Engineering Group Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Dies, Robert. 2003. Development of a Ceramic Water Filter for Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Donison, Kori. 2004. "Household Scale Slow Sand Filtration in the Dominican Republic." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Elice, Sara Jo. 2002. "Chlorine Demand in Haitian Water Supplies." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Fateen, Shaheerah. 2002. "The Impact of Implementation of Chemically Enhanced Primary Treatment on the Furnas Reservoir in Brazil." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Gao, Yongxuan. 2002. "Tubewell Maintanence in Butwal, Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Gao, Y., Hwang, S.K., Low, C.S., Lukacs, H., Morganti, L., Ngai, T., Poole, B., Sullivan, H., 2002. "MIT Nepal Water Project Group Report 2001-2002. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Gotovac, D. 1999. "Design and Anaysis of Chemical Coagulation Systems to Enhance Performance of Waste Stabilization Lagoons." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Green, Hillary. 2003. "The Effects of Carpet Dye on the Bagmati River" Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Halsey. Patricia. 2000. "Arsenic Contamination Study of Drinking Water in Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts May 5, 2000.

Hurd, J., Lee, Tse-Luen, Paynter, N., and Smith, M. 2001. "Nepal Water Project." Master of Engineering Nepal 2001 Group Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts. May 2001.

Hurd, Jessica. 2001. "Evaluation of Three Arsenic Remediation Technologies in Nepal." Master of Environmental Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts. May 11, 2001

Hwang, Rebeca and Miller, Bruno. 2002. Sustainable Solutions for Water Treatment and Monitoring in Developing Countries. ." Paper published at: http://www.thinkcycle.org and delivered at Development by Design 2002 Conference, Shristi, Bangalore, India

Hwang, Rebeca. 2003. "Six Month Field Monitoring of Point-of-Use Ceramic Water Filter by Using H2S Paper Strip Most Probable Number Method in San Francisco Libre, Nicaragua." Master of Environmental Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Hwang, Soon Kyu. 2002. "Point of Use Arsenic Removal from Drinking Water in Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Kfouri-Kweon, Claire. 2003. "Seawater as a Coagulant Substitute and the Effects on Disinfection in ChemicallyEnhanced Primary Wastewater Treatment." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Khayyatt, Amer. 2000. "Study of Point of Use Treatment Methods for the Disinfection of Drinking Water in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2000

Koop, J., Larson, K., Narisaranukul, N., and Young, J. Evaluating the Feasibility of Dlo Prop Business Models in Haiti. Term paper for Entrepeneurship without Borders 15.395. MIT, Cambridge, Ma.

Lantagne, Daniele. 2001. "Trihalomethane Formation in Rural Household Water Filtration in Haiti." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Lantagne, D., Mohamed, F., Oates, P., and van Zyl, N. 2001. "Haiti Group Report-M.Eng. 2001." Master of Engineering Haiti 2001 Group Report. Massachusetts Institute

of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Lantagne, Daniele, 2001. Investigation of the Potters for Peace Colloidal Silver Impregnmated Ceramic Filter. Report 1: Intrinsic Effectiveness. Report prepared for U.S. AID. Washington D.C. December 21, 2001.

Lantagne, Daniele, 2001. Investigation of the Potters for Peace Colloidal Silver Impregnmated Ceramic Filter. Report 2: Field Investigations. Report prepared for U.S. AID. Washington D.C. November 18, 2001.

Lee, Tse-Luen. 2001. "Biosand Household Water Filter Project in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Low, Chian Siong. 2002. "Appropriate Microbial Indicator Tests for Drinking Water in Developing Countries and Assessment of Ceramic Water Filters." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Lukacs, Heather. 2002. "From Design to Implementation: Innovative Slow Sand Filtration for Use in Developing Countries." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Luu, Kim. 2000. "Study of Coagulation and Settling Processes for Implementation in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2000

Mohamed, Farzana S. 2001. "Household-level Point of Use Water Filtration in Haiti: Strategies for Program Management and Sustainability." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Morganti, Luca. 2002. "Sodium Hypochlorite Generation for Drinking Water Disinfection in Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Murcott, S. and Lukacs, H. 2002. "Household Water Treatment in Nepal." Paper published at: http://www.thinkcycle.org and delivered at Development by Design 2002 Conference, Shristi, Bangalore, India.

Murcott, S., Hurd, J., Ngai, T., Poole, B. and Hwang, Soon Kyu "Phase I Evaluation of Seven Arsenic Remediation Technologies in Nepal. Poster Presentation at the 5th

International Conference on Arsenic Exposure and Health Effects, Society for Environmental Geochemistry and Health. July 14-18, 2002. San Diego, CA.

Narashiham, Gautam. 2000. Dynamic Data Management and Modeling in a Lagoon-Based Wastewater Treatment Plant. Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Ngai, Tommy. 2002. "Iron-Oxide Coated Sand." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Oates, Peter . 2001. "Solar Disinfection for Point of Use Water Treatment In Haiti." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Oates, P., Shanahan, P., and Polz, Martin. 2003. "Solar Disinfection (SODIS) Simulation of Solar Radiation for Global Assessment and Application of Point-of-use Treatment in Haiti. *Water Research* 37 (2003) 47-54

Olive, Natalia. 2002. "Design of a Chemically Enhanced Primary Treatment Plant for the City of Alfenas, Minas Gerais, Brazil" Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Parsons, Julia. 2002. "Evaluating Solar Disinfection for Point-of-Use Water Treatment in Non-Tropical Climates." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Paynter, Nathaniel. 2001. "Household Water Use and Treatment Practices in Rural Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Pincus, Melanie. 2003. "Safe Household Drinking Water via Biosand Filtration: Pilot Project Evaluation and Feasibility Study of a Biosand Pitcher Filter." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Poh, Saik-Choon. 2003. Assessment of Constructed Wetland System in Nepal. Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Poole, Barika. 2002. "Iron-Oxide Coated Sand." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Richards, Amanda. 2003. "Effects of Detergent Use on Water Quality in Kathmandu, Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts.

Sagara, Junko. 2001. "Study of Filtration for Point-of-Use Drinking Water Treatment in Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2000

Smith, Meghan. 2001." Microbial Contamination and Removal From Drinking Water in the Terai Region of Nepal." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001.

Stout, Jennifer. 2002. "Sludge Management in Alfenas, Brazil." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Sullivan, Hannah. 2002. "Household Water Chlorination for the Developing World: a Case Study in Lumbini, Nepal." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Tabbal, Georges. 2003. "Technical and Social Evaluation of Three Arsenic Remediation Technologies." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Van Zyl, Nadine. 2001. "Sodium Hypochlorite Generation for Household Water Disinfection in Haiti." Masters of Engineering Thesis. MIT Department of Civil and Environmental Engineering. Cambridge, Ma. June, 2001

Varghese, Arun. 2002. Point-of-Use Water Treatment Systems in Rural Haiti: Human Health and Water Quality Impact Assessment." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Varghese, A., Parsons, J., Borucke, M. and Elice, S. 2002. "Point-of-Use Water Treatment in Haiti." Master of Engineering Haiti Group Report. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

Wolfe, Andrea. 2000. "Microbial Contamination in the Kathmandu Valley Drinking Water Supply and Bagmati River." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts May 5, 2000.

Yu, Irene. 2000. "Bench-Scale Study of Chemically Enhanced Primary Treatment in Brazil." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

You, Eun Chu. 2003. "Policy for Development of Water and Sanitation Infrastructure in Paraty, Brazil." Master of Engineering Thesis. Massachusetts Institute of Technology, Civil and Environmental Engineering Department. Cambridge, Massachusetts

6. HARLEMAN, MURCOTT CEPT PUBLICATION REFERENCES

2002

Bourke, M.R., Harleman, D., Li, H., Murcott, S., Narasimhan, G., and Yu, I. 2001. **Innovative Wastewater Treatment in the Developing World**. *Civil Engineering Practice* Vol. 17, No. 1. Spring/Summer 2002.

2001

Harleman, D. and Murcott, S. An Innovative Approach to Urban Wastewater Treamtnet in the Developing World. Water 21: Magazine of the International Water Association, June, 2001

Murcott, S. 2000. **Fundamentals of the Chemical Treatment of Wastewater.** Third Seminar on the Chemical Treatment of Industrial and Municipal Wastewater. Instituto de Ingenieria de la UNAM. Mexico City. May 24 - 25, 2000.

2000

Christian Cabral, C., Chagnon, F., Gotovac, D., Harleman, D., and Murcott, S. 2000. **Design of a Chemically Enhanced Wastewater Treatment Lagoon in Brazil**, Paper presented at: Environmental Forum Columbia – Canada: Solution to Environmental Problems in Latin America Cartagena de Indias, Colombia May 24 – 26, 2000

1998

Harleman, D. and Murcott, S. 1998. **The Role of Physical-Chemical Wastewater Treatment in the Mega-cities of the Developing World.** IAWQ 2nd International Conference on Advanced Wastewater Treatment, Recycling and Reuse. Milan, Italy. September 14 - 16, 1998. *Water Science and Technology*, Vol.40, No. 4-5. 1999. Pub. by Elsevier Science Ltd. Great Britain. 1998

1996

Murcott, S. and Harleman, D. 1996. **Method of Drinking Water Treatment with Natural Cationic Polymers**. U.S. Patent No. 5,543,056. Washington D.C. August 6, 1996.

Murcott, S., Dunn, A., Harleman, D.R.F. 1996. Chemically Enhanced Wastewater Treatment for Agricultural Reuse in Mexico. International Association of Water Quality 1996 Biennial Conference. June 23-28, 1996. Singapore Murcott, S., Dunn, A., Harleman, D.R.F. 1996. Urban Drainage and Wastewater in Mexico City: Problems and Solutions. Metropolitan Areas and Rivers, Specialty Conference of the International Association of Water Quality, Rome. Italy, May 27 - 31, 1996.

Murcott, S. International Experience with Chemically Enhanced Primary Treatment. Third International Conference and Business Forum on Flocculants, Coagulants and Precipitants for Water Treatment. Dallas Texas, October 9-11, 1996.

Harleman, D.R.F. and Murcott, S. 1996. **Wastewater Management Strategies in an Integrated Coastal Management Plan for Mamala Bay.** Proceedings of the American Society of Civil Engineers, North American Water and Environment Congress '96. Anaheim, Ca. June 22 - 28, 1996.

Harleman, D., Murcott, S. and Morrissey, S. 1996. **Wastewater Management Strategies** in an Integrated Coastal Management Plan for Mamala Bay, Honolulu, Hi. Project MB-11A, Mamala Bay Study. Hawaii Community Foundation, Honolulu, Hi.

1995

Murcott, S. 1995. Chemical Upgrading: A Sustainable and Cost-Effective Solution to Budapest's Urban Sewage Problem. Proceedings of the International Conference on Engineering and Urban Sustainability. Sponsored by the Federal Chamber of Technical and Scientific Societies and the World Engineering Partnership for Sustainable Development. Budapest, Hungary. Oct. 2 - 4, 1995

Murcott, S. and Linnerooth-Bayer, J. 1995. **The Danube River Basin: National and International Cooperation for Sustainable Restoration and Development.**Proceedings of the International Conference on Engineering and Urban Sustainability. Sponsored by the Federal Chamber of Technical and Scientific Societies and the World Engineering Partnership for Sustainable Development. Budapest, Hungary. October 2 - 4, 1995

1994

Murcott, S. and Harleman, D. 1994. **Chemical Upgrading of Municipal Wastewater Treatment Plants in Eastern Europe.** In: Proceedings of the Water Environment Federation 67th Annual Conference & Exposition, Chicago, II. October 15-19, 1994

Murcott, S. and Harleman, D. 1994. **Use of Chemical Upgrading in Hungary and Slovakia.** In: Proceedings of the International Association of Water Quality Biennial Conference, Budapest, Hungary, July, 1994

Murcott, S.E. and Harleman, D.R.F. 1994. **Chemically Enhanced Primary Treatment in the United States.** In: Proceedings of the KCI International Symposium on Sewage Treatment Technology. Seoul, Korea, April, 1994.

Murcott, S.E. and Harleman, D.R.F. 1994. **Chemically Enhanced Primary Treatment in Budapest, Hungary.** In: Proceedings of the KCI International Symposium on Sewage Treatment Technology. Seoul, Korea, April, 1994.

Murcott, S., Somlyódy, L., Knolmár, M., Ritter, G., Vass, L., Botond, G. 1994. **Chemical Upgrading and Capacity Expansion of the North Budapest Wastewater Treatment Plant.** International Institute for Applied Systems Analysis. Laxenburg, Austria. January, 1994.

Karlsson, I. and Morrissey, S. 1994. Chemically Enhanced Wastewater Treatment: an Alternative and Complement to Biological Wastewater Treatment. Civil Engineering Practice. Vol. 9, No. 2. Fall/Winter 1994.

1993

Murcott, S. and Harleman, D.R.F. 1993. **Upgrading and Multi-Stage Development of Municipal Wastewater Treatment Plants: Applicability of Chemically Enhanced Primary Treatment for Central and Eastern Europe.** in: World Bank Report on the Evaluation of Alternative Municipal Wastewater Treatment Technologies. Laxenburg, Austria. April, 1993.

1992

Murcott, S. and Harleman, D.R.F. 1992. **Performance and Innovation in Wastewater Treatment.** Technical Note #36.Ralph M. Parsons Laboratory, Massachusetts Institute of Technology, Cambridge, MA, February, 1992.

Murcott, S. and Harleman, D.R.F. 1992. **Towards a Patent for a New Wastewater Treatment Process: Chemically Enhanced Primary Wastewater Treatment and the Use of Chitosan in Chemically Enhanced Wastewater Treatment.** MIT Sea Grant. MITSG 92-13. Cambridge, MA, October, 1992.

1991

Harleman, D.R.F., and Murcott, S. 1991. **Recent Experience with Chemically Enhanced Primary Treatment in North America and Scandinavia.** *Journal of the New England Water Pollution Control Association*. November, 1991.

Harleman, D.R.F., Morrissey, S., and Murcott, S. 1991. **The Case for Using Chemically Enhanced Primary Treatment in a New Plan for Boston Harbor.** *Civil Engineering Practice*, Vol 6, No.1, Spring, 1991

| 7. HWTS THESIS AND REPORTS FROM OTHER UNIVERSITIES |
|----------------------------------------------------|
| 1. Brown, Joe. |
| 2. Cheeseman, S |
| 3. Rainey, Rochelle PhD Oregon State |

4. University of Colorado – PFP Hydraulic Study