8 References

- Caracappa, G.A., 2006, personal communication, Gerald A. Caracappa, North District Treatment Plant, Miami-Dade Water and Sewer Department, Miami, Florida, email on February 28, 2006, with Amy Mixon, Ecology and Environment, Inc., Pensacola, Florida.
- Casey, L., 2006, personal communication, Miami-Dade County Solid Waste, telephone conversation on February 15, 2006, with Sara Trautman-Weier, Ecology & Environment, Inc., Pensacola, Florida.
- CH2M Hill, September 2002, *Water Facilities Master Plan*, prepared for Miami-Dade Water and Sewer Department.
- Chapman S., G. Leslie, and I. Law, No Date, *Membrane Bioreactors (MBR) for Municipal Wastewater Treatment An Australian Perspective* Stephen Chapman, online at: http://www.membrane.unsw.edu.au/staff/papers/gleslie/mbr_for_reuse_awa.pdf.
- Cunningham, K.J., J.L. Carlson, G.L. Wingard, E. Robinson, and M.A. Wacker, 2004, Characterization of Aquifer Heterogeneity Using Cyclostratigraphy and Geophysical Methods in the Upper Part of the Karstic Biscayne Aquifer, Southeastern Florida Water-Resources Investigations Report 03-4208.
- Daughton, C.G., 2005, "Emerging" Chemicals as Pollutants in the Environment: a 21st Century Perspective, Renewable Resources Journal, Volume 23:4.
- Fish J.E. and M. Stewart, 1991, *Hydrogeology of the Surficial Aquifer System, Dade County, Florida*, U.S. Geological Survey Water-Resources Investigations Report 90-4108.
- Florida Department of Environmental Regulation (FDEP), 1991, Guidelines for Preparation of Reuse Feasibility Studies for Applicants Having Responsibility for Wastewater Management, November 1991.

- Goodboy, K., 2006, personal communication (email) between Ken Goodboy, Indeck Power Equipment Company, Wheeling, Illinois, and Amy Mixon, Ecology and Environment, Inc., Pensacola Florida, March 13, 2006.
- Harvey, J.W., S.L Krupa, C.G. Gefvert, R.H. Mooney, J. Choi, S.A. King, and J.B. Giddings, 2002, *Interactions between Surface Water and Ground Water and Effects on Mercury Transport in the North-Central Everglades*, U.S. Geological Survey Water Resources Investigations Report 02-4050, online at: http://sofia.usgs.gov/publications/wri/02-4050/geolsetting.html.
- Kiwa, 2004, *Pharmaceuticals and Personal Care Products in the Water Cycle*, March 2004, Kiwa, The Netherlands, Report No. KWR 04.013.
- Klein, H. and J.E. Hull, 1978, *Biscayne Aquifer*, Southeast Florida, U.S. Geological Survey, Water-Resources Investigations Report 78-107, Prepared in cooperation with the U.S. Environmental Protection Agency, September 1978.
- Langevin, C.D., 2001, Simulation of Ground-Water Discharge to Biscayne Bay, Southeastern Florida, Water-Resources Investigations Report 00-4251, U.S. Geological Survey Place-Based Studies Program and in cooperation with the U.S. Army Corps of Engineers.
- Li, Y.C., 2001, Calcareous Soils In Miami-Dade County, Soil and Water Science Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Publication date: July 2001, Fact Sheet SL 183, online at: http://edis.ifas.ufl.edu/TR004.
- Malcolm Pirnie, 2006, *Water Use Efficiency Five Year Plan*, prepared for Miami-Dade Water and Sewer Department, Adopted April 25, 2006.
- Malcolm Pirnie, 2004, *MDWASD Initial Capacity Analysis Report*, prepared for Miami-Dade Water and Sewer Department, September 2004.
- Maxwell, T.C., 2006, personal communication (email) between Thomas C. Maxwell, Miami-Dade Water and Sewer Department, Miami, Florida, and Amy Mixon, Ecology and Environment, Inc., Pensacola, Florida, February 27, 2006.
- McPherson, B.F. and R. Halley, 1996, *The South Florida Environment, A Region Under Stress*, U.S. Department of the Interior, U.S. Geological Survey, Circular 1134, 1996, online at: http://sflwww.er.usgs.gov/publications/circular/1134/index.html.
- Miami-Dade County Planning and Zoning, 2005a, *Comprehensive Development Master Plan*, online at: http://www.miamidade.gov/planzone/planning metro CDMP.asp.



- Miami-Dade County Planning and Zoning, 2005b, *Miami-Dade County Facts* 2005, online at:
 - http://www.miamidade.gov/planzone/Library/Census/MiamiDadeCountyFacts-2005.pdf.
- Miami-Dade Water and Sewer Department (MDWASD), 2005, Consolidated Water Use Permit Application, No. 040511-5, July 2005.
- Miami-Dade Water and Sewer Department, Controller Division and Public Affairs Section, 2004, *Comprehensive Annual Financial Report, Fiscal Year Ending September 30*, 2004, online at: http://www.miamidade.gov/wasd/reports_financial.asp.
- Miller, J.A., 1986, *Hydrogeologic Framework of the Floridan Aquifer System in Florida* and in Parts of Georgia, Alabama, and South Carolina, Professional Paper 1403-B.
- National Park Service (NPS), 2000, Biscayne National Park Homepage, online at: http://www.nps.gov/bisc/resource/index.htm, updated January 2000.
- Post, Buckley, Schuh & Jernigan, 1998, *Reuse Feasibility Study Update*, prepared for Miami-Dade Water and Sewer Department.
- Post, Buckley, Schuh & Jernigan, 1992, *Wastewater Reuse Feasibility Study*, prepared for Miami-Dade Water and Sewer Department.
- Reuse Coordinating Committee, 2003, Water Reuse for Florida: Strategies for Effective Use of Reclaimed Water, June 2003, online at:

 http://www.dep.state.fl.us/WATER/reuse/docs/valued_resource_Final%20Report.pdf.
- South Florida Water Management District (SFWMD), 2006, Advanced Treatment Technologies, online at: http://www.sfwmd.gov/org/erd/ecp/etweb/main_template/sav.html.
- South Florida Water Management District (SFWMD), 1999, GIS Data Distribution, 1999 Land Cover Land Use, online at: http://spatial1.sfwmd.gov/sfwmdxwebdc/dataview.asp?query=unq_id=1593.
- United States Department of Interior, U.S. Geological Survey, 2005, Figure 15 from "Simulation of Ground-Water Discharge to Biscayne Bay, Southeastern Florida," online at: http://sofia.usgs.gov/publications/wri/00-4251/simulation.html.

- United States Environmental Protection Agency (EPA), 2005, *Technologies and Costs Document for the Final Long Term 2 Enhanced Surface Water Treatment Rule and Final State 2 Disinfectants and Disinfection Byproducts Rule*, December 2005, Document No. EPA 815-R-05-013, online at:

 http://www.epa.gov/safewater/disinfection/lt2/pdfs/costs_lt2-stage2_technologies.pdf.
- United States Environmental Protection Agency (EPA), April 2003, Relative Risk Assessment of Management Options for Treated Wastewater in South Florida, online at: http://www.epa.gov/region4/water/uic/ra.htm.
- United States Environmental Protection Agency (EPA), Municipal Support Division Office of Wastewater Management, September 2004, *Guidelines for Water Reuse*, online at: http://www.epa.gov/ORD/NRMRL/pubs/625r04108/625r04108.htm.
- Valdes, M., 2006a, personal communication, Senior Planner, Miami-Dade Water and Sewer Department, email on December 6, 2006, regarding wastewater treatment plant effluent concentrations, to M. Perez, Ecology & Environment, Inc., West Palm Beach, Florida.
- Valdes, M., 2006b, personal communication, Senior Planner, Miami-Dade Water and Sewer Department, email on December 6, 2006, regarding AWS Projects Memo, Schedule and Tables, to M. Perez, Ecology & Environment, Inc., West Palm Beach, Florida.
- Valdes, M., 2006c, personal communication, Senior Planner, Miami-Dade Water and Sewer Department, email on December 4, 2006, regarding flow projections by wastewater treatment plant, to M. Perez, Ecology & Environment, Inc., West Palm Beach, Florida.