

Environmental Protection Agency - Office of Ground Water and Drinking Water

Analyzed water quality data collected under the Florida Department of Environmental Protection's 'Drinking Water Standards, Monitoring, and Reporting Rule', Chapter 62-550. Data analysis was

Employed in the Corporate Engineering department as a safety engineer and as a member of the Safety and Health Management Team. Responsibilities included applying the latest OSHA and NJDEP regulations to train distribution personnel with the goal of reducing work related accidents and injuries. Analyzed safety and environmental regulations to develop a chemical safety and employee right to know training program and to remain in compliance with federal and state safety standards. Conducted inspections of warehouse operations to identify and reduce unsafe working conditions or practices and control health hazards.

Publications and Research:

Strayer, H., C. Mizak, R. Smith, and N. Poor (2007) *Influence of Air Mass Origin on the Wet Deposition of Nitrogen to Tampa Bay, Florida - An Eight-Year Study*. Atmospheric Environment, 41, 4310-4322.

Mizak, C., S. Campbell, K. Sopkin, S. Gilbert, M. Luther, and N. Poor (2007) *Effect of Shoreline Meteorological Measurements on NOAA Buoy Model Prediction of Coastal Air-Sea Gas Transfer*. Atmospheric Environment, 41, 4304-4309.

Sopkin, K., C. Mizak, S. Gilbert, V. Subramanian, M. Luther, and N. Poor (2007) *Modeling Air/Sea Flux Parameters in a Coastal Area: A Comparative Study of Results from the NOAA Buoy Model and the TOGA COARE Model*. Atmospheric Environment, 41, 4291-4303.

Mizak, C.A. and N.D. Poor (2005) *Change in Local Cancer Risk Associated with a Power Plant Conversion from Coal to Natural Gas*. Poster Presentation at the American Public Health Association Annual Conference, Philadelphia, PA, December 10-14, 2005.

Sopkin, K. L., C.A. Mizak, S.A. Gilbert, V. Subramanian, M.E. Luther, N.D. Poor (2005) *Comparison of Estimates of Air-Water Fluxes for Tampa Bay, Florida*. Poster Presentation at the 18th Biennial Conference of the Estuarine Research Federation, Norfolk, VA, October 16-20, 2005.

Mizak, C.A., S.W. Campbell, M.E. Luther, R.J. Murphy, R.P. Carnahan, and N.D. Poor (2005) *Below-cloud Ammonia Scavenging in Convective Thunderstorms at a Coastal Research Site in Tampa, FL, USA*. Atmospheric Environment, 39, 1575-1584.

Mizak, C., K. Sopkin, and S. Gilbert (2005) *Modeling atmospheric flux parameters: a comparative study of results from the NOAA Buoy Model and the COARE 3.0 model*. Bay

