BETH A. DREWNIAK

Atmospheric Sciences Section
Environmental Science Division
Argonne National Laboratory

Education:

M.S.	University of Illinois, Atmospheric Sciences, 2006
B.S.	University of Illinois, Physics and Astronomy, 2002

Professional Experience:

2006-Present   Predoctoral Appointee
Environmental Science Division
Argonne National Laboratory

Provide assistance to EVS scientists with regard to emission and air pollution studies by conducting literature search and reviews, as well as air quality studies for a variety of mobile and stationary emission sources. This includes studies of emission levels and air pollution characteristics. Other responsibilities involve field investigations to collect and analyze air pollutants as well as computer simulation and analysis work to examine air quality.

Summary of Previous Experience:

2004-2006   Graduate Research Assistant
University of Illinois, Champaign-Urbana, IL

Prepared a biogenic emissions inventory for the Environmental Protection Agency. Integrated current emissions algorithms into a dynamic vegetation model to estimate biogenic emissions. Prepared and edited progress reports to the EPA and project members. Collaborated with scientists from the Illinois State Water Survey and other departments within the University of Illinois to develop an Emissions Inventory Modeling System for the Chicago Area. Utilized GIS systems to interpolate biogenic emission projections.

Research Interests:

Emission inventory development
Biogenic emission modeling within dynamic vegetation models
Air quality improvement

Publications:

Co-author of 1 journal publication.