



## WATER RESOURCES RESEARCH GRANT PROPOSAL

**Project ID:** DE4301

**Title:** Graduate Fellowship in Water Quality: Environmental Policies for a Sustainable Poultry Industry in Sussex County, Delaware

**Focus Categories:** Law, Institutions, Policy, Nutrients

**Keywords:** animal agriculture, environmental policies, nonpoint nutrient pollution

**Start Date:** 03/01/2001

**End Date:** 02/28/2002

**Federal Funds:** \$16,000

**Non-Federal Matching Funds:** \$32,000

**Congressional District:** At-large

**Principal Investigators:**

William F. Ritter  
Professor, University of Delaware

John M. Byrne  
Professor, University of Delaware

James Thomas Sims  
Professor, University of Delaware

**Abstract**

Delaware's ground and surface waters have been negatively impacted by nutrients originating from a variety of land uses. In response to growing public concerns about the effects of nutrients on water quality, in 1999 the Delaware General Assembly established by legislative action a Delaware Nutrient Management Commission to develop and implement a State Nutrient Management Program. The Delaware Water Resources Center has established three graduate Ph.D. fellowships to provide research support for the activities of this commission in their efforts to improve water quality in Delaware. These fellowships provide a unique opportunity for graduate students and faculty to become directly involved in multi-disciplinary research that will contribute to the scientific basis for state policy decisions on nutrient management. Fellowships are provided up to a maximum of three years provided satisfactory progress toward project objectives is maintained. Graduate Fellows are required to (i) make a presentation each year describing their progress at a meeting that will be organized by the Delaware Water Resources Center; (ii) prepare an annual report that summarizes their accomplishments and submit it to the Delaware Water Resources Center.

A Graduate Fellowship addressing "Environmental Policies for a Sustainable Poultry Industry in Sussex County, Delaware" has been awarded to Lynette Ward, a Ph.D. student in the University of Delaware College of Agriculture and Natural Resources and Center for Environmental Policy for 2001-2002, based on a review of proposals submitted by potential graduate fellows and their advisors to the DWRC Advisory Panel.