

**REQUEST FOR RESEARCH PROPOSALS**  
**Virginia Water Resources Research Center Competitive Grants**  
**2009 – 2010**

**Proposal Submission Deadline: March 31, 2009**

The Virginia Water Resources Research Center (VWRRC) invites research proposals to be considered for funding starting July 1, 2009. One or two proposals in the range of \$15,000 to \$25,000 (project duration: July 1, 2009 to June 15, 2010) will be funded. The Water Center Statewide Advisory Board has identified the following high-priority research areas as they relate to water sciences (including socio-economic topics) and/or engineering in Virginia for the 2009-2010 VWRRC Competitive Grants Program:

- Water consumption and water quality impacts of biofuel production
- Evaluation of land-based application of biosolids
- Wastewater re-use and nutrient retention

Critical criteria for proposal evaluation are as follows:

- Research proposals should demonstrate the potential for significant contribution to advancing the scientific foundation for water resources management in the Commonwealth of Virginia.
- Demonstrate the importance of research to decision making in Virginia
- Provide research opportunities for graduate and undergraduate students
- Submission of interdisciplinary proposals is encouraged
- A detailed budget justification is required

Funds cannot be used to purchase office supplies, pay faculty salary or student tuition. It is expected that these VWRRC grants will serve as “seed” money to expand or leverage with other funding sources. Research results should facilitate development of larger research proposals that will be submitted to external funding agencies. Collaboration with the VWRRC for expanded research proposals following awards of VWRRC funds is encouraged. See proposal preparation guidelines below.

Grant awardees are required to submit a progress report by December 31, 2009 and a final report by June 15, 2010. Awardees are expected to present a paper at the Annual Virginia Water Research Symposium sponsored by the VWRRC. Acknowledgement of the VWRRC in all publications and reports that may result from the VWRRC funded research is also expected.

Please submit the proposal via e-mail to [water@vt.edu](mailto:water@vt.edu) by March 31, 2009. Successful proposals will be announced by June 12, 2009. For questions please contact Dr. Tamim Younos, 210 Cheatham Hall, VWRRC, Virginia Tech. Phone (540)231-8039, E-mail: [tyounos@vt.edu](mailto:tyounos@vt.edu).

## **PROPOSAL PREPARATION GUIDELINES**

### **Water Center Competitive Grants**

The proposal should include the following information:

#### **Project title**

#### **Project investigator(s) and affiliation**

Include name(s), title, mailing address, e-mail address, telephone and FAX numbers.

#### **Project abstract**

150-200 words

#### **Keywords**

3-5 keywords describing general area and focus (e.g., NPS, water supply, bacteria)

#### **Project type**

Identify the project type as research or technology transfer

#### **The proposal contents**

The proposal length (excluding budget, references, and resumes) should not exceed 8 single spaced pages (font 11). The proposal should include the following sections:

#### **Statement of justification**

Provide a justification statement for the proposed research, its originality and relevance to water resource problems in Virginia and the region, and how and where research results could be used.

#### **Objectives**

Describe the major goal and specific objectives of the project.

#### **Procedures**

Describe procedures that will be used to achieve the specific objectives outlined above.

#### **Expected results**

Discuss expected results and results applicability and benefits.

#### **Student support**

Give number of graduate and undergraduate students to be involved and their majors.

#### **Cooperating agencies and other funding sources**

Describe potential cooperating federal, state and local agencies, any private-public partnership and the nature of cooperation. If applicable, attach letter of commitment from other funding sources.

#### **Budget**

Provide a detailed itemized budget with clear justification for each expenditure category. No indirect costs are paid. Funds cannot be used for office supplies, faculty salary or tuition.

#### **Qualification of investigator(s)**

Attach a 1-2 page resume for each investigator. Include only relevant publications and a list of on-going or completed projects relevant to the proposed research.