

POSITION ANNOUNCEMENT

- Position:** Watershed Modeling Specialist
- Administrative Unit:** Department of Biological and Agricultural Engineering, Kansas State University
- Watershed Team:** Kansas State University, in partnership with Kansas Department of Health and Environment, has established an interdisciplinary team to provide assistance to watershed action groups within specifically identified watersheds in Kansas. Three full-time staff, with expertise in planning, economics, and watershed modeling, form a Technical Team to support development of watershed restoration and action plan strategies to address TMDLs.
- Job Responsibilities:** The individual will coordinate and execute all aspects of water-quality modeling and assessment for targeted watersheds: (1) *Watershed modeling*: Collect input data, execute models, and interpret and summarize results. Modeling will follow an adaptive approach, where tools and data are flexibly matched to stakeholder needs. (2) *GIS*: Collect and manipulate spatial data on soils, topography, land-uses, land-management practices, chemical and manure land applications, and other point loads; create watershed maps to assist communication of results. (3) *Outreach*: Lead stakeholder leadership team through watershed assessment process, including local data collection and iterative/adaptive modeling, leading to development of a watershed planning report.
- The modeler will collaborate with Technical Team members to coordinate and prioritize State-wide efforts; function well within interdisciplinary teams; maintain open, interactive, effective communication with local watershed stakeholders through presentations and planning meetings; collaborate with technical experts; prepare technical watershed assessment reports; maintain open, effective working relationship with funding agency and other partners; prepare regular progress reports to funding agencies and constituent groups. Assist with extramural grant preparation and publishing innovative results.
- Qualifications:** Ph.D. in engineering or related field with excellent quantitative analytical skills and emphasis on natural resources or water-quality modeling, or M.S. in engineering or related field plus 3 years related experience. Demonstrated skills with a variety of watershed water-quality models (prefer SWAT, annAGNPS) and GIS software (prefer ArcInfo, ArcView, ArcGIS). Clear understanding of water-quality standards and ability to interpret water-quality data. Excellent oral and written communication skills with diverse audiences. Experience or demonstrated capacity to work in team setting. Current US driver's license.
- How to Apply:** Send letter of application, transcripts, resume, and contacts for 3 references to:
Kyle R. Mankin, Associate Professor
Biological and Agricultural Engineering Dept., Kansas State University
129 Seaton Hall, Manhattan, KS 66506-2906
- Date available:** Negotiable. Annual appointment with potential for renewal based on performance and funding availability. Projected funding period is 2 years.
- Deadline:** Application screening begins on 15 April 2008 and continues until filled.

For further information, contact Dr. Kyle Mankin: 785.532.2911, 785.532.5825 (fax), kmankin@ksu.edu.

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