



Jerry L. Riggs

GIS Experience Summary

- Assisted in Phase II project management for the Duke Lee COL application.
- Assisted in the development of four COL applications' including TVA's Bellefonte Units 3 and 4 application.
- Assisted in the development of several license renewal applications.
- Assisted in the development and mapping of security barrier locations for Indian Point Energy Center and Grand Gulf Nuclear Station.
- Completed population analysis for several environmental and safety analysis reports.
- Completed Environmental Justice analysis for four COL projects and several license renewal applications.
- Developed geographic information systems procedures designed to analyze viewshed impacts.
- Assisted in the development of severe accident mitigation alternatives (SAMA) input files for several license renewal applications.
- Developed geographic information systems procedures designed to project point data from handheld GPS units.
- Developed geographic information systems procedures designed to access population and population projection data for any area of interest.
- Developed geographic information systems procedures designed to create a polar grid system around any geographic point (as required for many NRC documents).
- Produced maps for site selection, wetland delineation, and vegetation coverage.
- Provided Phase I Site assessment services for a commercial facility.
- Prepared geographic information systems analysis for hydrologic modeling, analysis, and flood mitigation.
- Developed procedures for spatially accurate data transfer between ArcView and AutoCad.
- Assisted in the development of two SEIS reports.
- Assisted in regional site selection of proposed new nuclear facilities.

Experience Description

Mr. Riggs is assigned to Enercon's Oklahoma City office as a GIS specialist. Mr. Riggs has

more than six years of experience as a geographic information systems and remote sensing scientist. He has developed geographic information systems and maps used for several COL projects. This included spatial analysis of satellite imagery, demographic analysis, environmental justice analyses, hazard analyses, and land use–land cover (LULC) analyses. Mr. Riggs also worked closely with local, state, and federal agencies to collect and develop data used in the various analyses.

In addition, Mr. Riggs has recently conducted land use, demographic, and view shed studies and GIS mapping in support of environmental report preparation for three license renewal applications at a nuclear materials facility. This included spatial analysis of satellite imagery, digital elevation models, and extracting data about land use–land cover (LULC).

Mr. Riggs has also been involved in building numerous geographic information systems and mapping projects including: American burying beetle surveys, vegetation analysis, hazard assessments, transportation and transmission corridor studies, and site selections for new nuclear materials facilities.

Other projects that Mr. Riggs has been involved in include: flood modeling in a data-poor environment and remote chemical detection using hyper-spectral remote sensing data and iodination of toluene. Mr. Riggs has over 18 years of technical and analytical experience through his work in the U.S. Navy, Oklahoma Blood Institute, and Space Imaging.

Previous Experience Description

United States Navy Alameda, California

Noncommissioned Officer 1987-1991: Highest Security Clearance: Top Secret

Supervised electronic technicians and was responsible for the installation, maintenance, and repair of all digital communication equipment on the Navy's newest aircraft carrier. Developed and maintained a work center stress management program. Supervised emergency restoration of shipboard satellite communication systems at the onset of the Gulf War. Produced battle, emergency, and routine plans for USS Abraham Lincoln combat systems operations. Worked and lived under extremely arduous conditions in order to commission the carrier.

Education and Professional Recognition

M.A. Geography, University of Oklahoma, Norman, OK, 2007

B.A. Biochemistry, University of Oklahoma, Norman, OK, 1996

1985-1991: United States Navy, USS Abraham Lincoln

Naval Modular Automated Communications System, Cheltenham, MD

Naval Electronics Technician School, Great Lakes, IL

Naval Basic Electronics and Electricity School, Great Lakes, IL