

R. SCOTT MOORE

EXPERIENCE SUMMARY

Mr. Moore has more than 30 years of experience supporting the U.S. Department of Energy, the U.S. Nuclear Regulatory Commission, the U.S. Army Corps of Engineers, as well as their contractors. He has spent more than 10 years assessing, reviewing, and auditing their ongoing nuclear and environmental programs and the construction projects supporting these programs.

- Expertise in independent cost estimating and review; cost modeling, review, and analysis.
- Accomplished in providing technical and analytical support in nuclear and environmental arenas.
- Experience in the design, development, and implementation of scientific databases and information systems, especially with regards to hazardous/radioactive waste and materials.

WORK HISTORY

Associate, Longenecker & Associates, 2015-Present

Independent Consultant, 2000-2015

Sr. Scientist, JUPITER Corporation, 1996- 2007

Project Manager/Scientist III, Automated Sciences Group, Inc., 1988-1996

Staff Scientist, The MAXIMA Corporation, 1984-1988

DETAILED EXPERIENCE

- Assisted in the development of an Independent Government Cost Estimate to support contract negotiations with the Salt Waste Processing Facility construction contractor at Savannah River. Assisted in the subsequent development of an ICE in support of the revised baseline cost and schedule.
- Developing a model for the Energy Information Administration to project world-wide nuclear power generation and generation capacity from 2015-2040.
- Assisted in the development of independent cost estimate for completion of the Mixed Oxide Fuel Fabrication Facility at Savannah River. Responsible for estimating more than \$700 million in level-of-effort WBS elements. Assisted in the development of contingency and management reserve using a risk-based approach.
- Served as Quality Control lead for the development of an independent cost estimate for the Uranium Processing Facility at Y-12. Assisted in the development of the work breakdown structure, the estimated cost to complete, the schedule duration, and the development of appropriate contingency in a Cost and Schedule Risk Analysis (CSRA). Instrumental in developing the techniques used to apply contingency and escalation in the development of a cost range for the project. Assisted in reconciliation of the independent estimate to the M&O contractors' estimate and in assessing the impacts of funding constraints on the cost range.
- For the DOE NE, participated in a comprehensive technical and economic evaluation of alternatives for processing remote handled transuranic waste at Argonne National Lab-West in order to determine the preferred alternative prior to CD-1.
- Supported DOE-OE in providing business and management oversight of Smart Grid Investment Grants totaling more than \$570 million. Responsible for reviewing Project Execution Plans, assists the technical project officer in the review and analysis of invoices submitted to DOE,

Facility.

- Principal technical contributor to development of cost model to examine the feasibility of utilizing radioactive carbon steel as feedstock for the manufacture of low-level waste disposal containers.
- For a Director's Institutional Assessment at Los Alamos, assessed the capacity and capability of LANL waste management systems to support ongoing mission needs over the next 10 years.
- Participated in joint NNSA/EM Review of LANL EM Program, focusing on compliance with negotiated Consent Order with New Mexico Environmental Department (NMED).
- Assessed and evaluated NNSA's Readiness in Technical Base and Facilities Program to identify opportunities for program improvements. Assisted in development of RTBF National Work Breakdown Structure (WBS) and activity-based cost (ABC) baselines for 15 NNSA facilities.
- Supported a Congressionally mandated review of the Bonneville Power Administration's mission, management and financial condition.
- Revised and rewrote Corporate Implementation Plan for the Office of Environmental Management's (DOE EM) Best in Class Project Management effort. Assisted in the identification and scoping of 18 Recommended Priority Actions to address the challenges facing EM and to institutionalize a Best-in-Class culture within DOE EM.
- Directed and led the development of databases supporting the Office of Civilian Radioactive Waste Management as principal investigator for LWR fuel section of the Characteristics Database (CDB) System.
- Staffed EM public information program booth at more than 30 technical and community meetings.
- Designed and developed National Sealed Source and Device Registry System to track radioactive sources and devices for the NRC using PowerBuilder, ERWin, and Sybase.
- Managed technical/administrative support for the DOE Waste Management Information System.
- Designed and used Monte Carlo methods to model the response of radiation detectors.

EDUCATION

University of South Carolina

Master of Science in Nuclear Physics, 1986

University of South Carolina

Bachelor of Science in Math and Physics, 1982, cum laude

OTHER

- Active DOE "Q" Clearance
- Author or co-author of more than 60 technical papers, reports, and presentations