
LONGENECKER and ASSOCIATES

David R. Hawkinson

EXPERIENCE SUMMARY

Mr. Hawkinson has more than 30 years of experience in the nuclear industry including 20 years in Quality Assurance Management support of nuclear power plant construction, operations, maintenance, supplier qualification and quality assurance program functions. He has worked as a consultant the past 13 years on contracts supporting Department of Energy (DOE) Environmental projects at two National Laboratories in New Mexico. As an ANSI N45.2.23 and NQA-1 certified lead auditor, Mr. Hawkinson has conducted numerous internal and external independent audits, management assessments, supplier evaluations and surveillance programs of field activities. He has also supervised environmental test laboratory surveys, audits, and qualification for Approved Supplier Lists for analytical laboratories conducting borehole sample analysis of soils, water and contaminated sediments. Mr. Hawkinson was responsible for the development of a DOE supplier selection process to qualify in-state suppliers of material, items and construction services meeting NQA-1:2000 methodology by using delegated portions of the Quality Assurance Criteria under Los Alamos National Laboratory radiological building specifications. Mr. Hawkinson has served on various DOE Sub-Committees and served as a Certified Examiner for the annual Quality New Mexico Awards application program. He has been involved in quality program and procedure development for various nuclear industry assignments. He has also been involved in numerous laboratory readiness review assessments conducted to determine startup or restart of work processes or restoration and cleanup of radiological contaminated areas from nuclear weapons production.

DETAILED EXPERIENCE

Mr. Hawkinson is currently providing senior quality assurance consulting services to Los Alamos National Laboratory (LANL) as the Austin Commercial Contractor (ACCLP) Deputy QA Manager for construction of the 270,000 sq ft. Radiological Laboratory/Utility Building/Office Building (RLOUB) Project in Tech Area 50. In this role, Mr. Hawkinson is responsible for overall project compliance to meet DOE NQA-1:2000 requirements in areas of procurement, supplier selection and qualification, personnel training, and verification of field construction activities and nonconformance documentation and corrective action. He performs surveillances of sub-contractors, materials test labs and team partner organizations to ensure adequate quality assurance criteria are included in all work processes. He is also engaged as the principal in ensuring the Project supplier selection process obtains procurement of items, equipment and technical services from sources on Approved Supplier List (ASL) and in compliance to NQA-1:2000 requirements. In addition, he conducts the weekly NQA-1:2000 Orientation Training Class to new hires, trades personnel and Austin Self Perform Team of construction superintendents and foremen.

Prior to this assignment, Mr. Hawkinson served the LANL Environmental Remediation Support Services Group directorate as senior quality assurance manager responsible for sub-contractor contracts, supplier orientation, qualification, field restoration and clean-up activities and documentation and records of completed work that meets NQA-1:2000 requirements. He performed surveillances of buried RAD waste pits and legacy contaminated sites from nuclear weapons production. This included oversight of field soils and sediment sampling and conduct of QA Audits to qualify analytical test laboratories to ensure adequate criteria are included and data reports supports compliance to State of New Mexico Environmental Department Consent Order requirements. Mr. Hawkinson was the principal to qualify the Big Six ID/IQ Contractors for \$ 250 Million Clean-up activities of LANL buried waste sites.

Mr. Hawkinson provided consultant services to the University of Nevada-Las Vegas, NV in support of the DOE Yucca Mountain High Level Radioactive Waste Repository Project. This was a short term contract to coordinate and develop new Quality Assurance Procedures (QAPs) for the UCCSN Scientific Staff and Third Party Investigation Tasks as part of the Licensing process of YMP Repository for spent nuclear fuel.

Before the Environmental Quality assignments above, Mr. Hawkinson spent 3 ½ years at two Mid-West nuclear power plants that were in shutdown by the Nuclear Regulatory Commission (NRC) for major operational infractions and safety violations that occurred at the DC Cook Plant in Southwest Michigan and the Clinton Power Station in Central Illinois. Mr. Hawkinson did management assessments to identify major quality program infractions and resulting investigations of "Significant Conditions Adverse to Quality". At DC Cook Plant Mr. Hawkinson was instrumental in forming a QA Group to develop the Utility response, and supervised corrective actions to close out approximately 10,000 nonconformance reports as part of a Corrective Action Team. At the Clinton Power Station Mr. Hawkinson was the Team Leader involved in quality measures to correct major plant maintenance violations and conduct of a Management Self Assessment to identify weaknesses in the Plant Quality Program Plan. He conducted/prepared root cause analysis and trending reports, job-step performance of maintenance work orders and correction of planning deficiencies. He developed a White-Paper for vendor roll down of maintenance requirements necessary to ensure the development of quality improvement plans sufficient to satisfy NRC goals to resume power to the grid system.

Prior to the above assignments, Mr. Hawkinson joined the Management Analysis Corporation Technical Services (MACTEC) team contract at Sandia National Laboratory (SNL) in support of the DOE Yucca Mountain Project (YMP). SNL conducted geological studies to license the High Level Radioactive Waste Repository at the Nevada Test Site under the DOE Quality Assurance Requirements Document (QUARD) Regulatory Specification. He was the Principal for qualifying SNL Test Laboratories providing soils data and rock mechanics data for YMP Site geological studies. Before leaving SNL, he served as QA Liaison for a special

SNL joint venture with the NRC and Japanese Nuclear Ministry to explosively destruct 1/10th scale models of American designed steel and concrete stressed nuclear reactor containment buildings to prove the Design Integrity. The QA Program developed by Mr. Hawkinson for the Containment Integrity Test Project, won the Sandia Presidents Quality Award for 1996.

Mr. Hawkinson was also employed by Tennessee Valley Authority (TVA), in the capacity of Assistant Branch Chief of Audits at a time when the NRC had shut down all five nuclear power plants. His responsibilities included mentoring and development of audit and surveillance techniques and to resolve employee concern programs (whistle-blower-act) and resolution of NRC Re-Start corrective actions. He developed and coordinated an Employee Concerns Program and proceduralized the process to resolve critical issues for plant power resumption approval by the NRC.

Mr. Hawkinson was employed for 15 years with Bechtel Power (Los Angeles Power Division) in various International and USA Nuclear Power Plant Project Quality Programs. He was the lead QA Engineer on two power plant upgrade projects at San Onofre, Unit 1. He assumed the Bechtel QA Management responsibilities of the Palo Verde Nuclear Power Plant as the Project QA Manager for the last 9 years of construction and start-up of the three 1300 Megawatt Reactor Units at Phoenix, Arizona. He was the Project QA Manager over the Field Quality Assurance personnel as well as the Quality Engineering Group in the California Design Office. Mr. Hawkinson completed Bechtel's "Lead Auditor Training" under ANSI N45.2 and ANSI N45.2.23 requirements and participated in numerous vendor and construction audits of Project activities. During this period Mr. Hawkinson served on an ANSI N45.2 Quality Audit

Improvement Subcommittee. Mr. Hawkinson also delivered a professional paper at the American Society for Quality Conference in 1975, in Knoxville, Tennessee. In 1975, he received his Professional Engineering (PE) License in Quality Engineering in the State of California.

EDUCATION/CERTIFICATIONS

- American Television Institute-BS Degree in Electronic and Television Engineering
- Lead Auditor Certification-ANSI N45.2.23
- Registered Professional Engineer-Quality Engineering in State of California
- Certified Examiner-Quality New Mexico Program (Malcolm Baldrige Award Program)