

LONGENECKER and ASSOCIATES

EXPERIENCE SUMMARIES FOR KEY PERSONNEL

Donald G. Horton

EXPERIENCE SUMMARY:

Mr. Horton has over 40 years of experience in managing complex projects and specific functional organizations in the nuclear industry. Key areas of expertise include nuclear quality assurance, regulatory compliance, conduct of operations, corrective actions, and independent assessment. Mr. Horton has extensive experience in implementing and coordinating quality programs, assessing contractor QA programs and management systems, preparing inspection and/or assessment reports, and identifying deficiencies.

This experience encompasses Department of Energy Programs, the commercial nuclear power industry, and the U.S. Navy Nuclear Program. Recent key activities and accomplishments include serving as Director, Office of Quality Assurance within DOE Office of Civilian Radioactive Waste Management and Deputy Project Manager for the Yucca Mountain Project.

Ms. Horton has experience in implementing DOE Order 414, NQA-1 and the OCRWM QARD DOE/RW-033. Mr. Horton has also contributed to the recovery of plant operations on several troubled nuclear power plants.

DETAILED EXPERIENCE:

Mr. Horton recently managed the INL QAP Implementation Plan and schedule for Battelle Energy Alliance. He also participated in the development of several procedures and training modules for the revised program.

Mr. Horton recently reviewed the INL BEA Fuels Research and Development Project for development of a Project QA Document to implement appropriate controls to meet the requirements of the Global Nuclear Energy Partnership (GNEP) Program.

Mr. Horton recently developed a Quality Assurance Program Document (QAPD) for the Advanced Fuel Cycle Facility (AFCF) Project to be implemented within the Global Nuclear Energy Partnership (GNEP). He also prepared several implementing procedures for the Project, assisted in developing the Project Execution Plan (PEP), the Program Management Plan (PMP), and participated in the 30% design review.

Mr. Horton recently participated as a member of a Causal Analysis Team to determine causes of major problems identified by DOE-ID during an audit of the Next Generation Nuclear Project (NGNP) QA Program and organizational structure, and proposed corrective to be implemented by Project.

Mr. Horton participated as a member of Causal Analysis Team to review development and issue of an EIS for DOE Hanford by PNNL and, determine the causes of numerous problems identified during the review process.

Mr. Horton supported the Hanford Tank Farm operations in Richland Washington, assisting with the resolution of a range of quality assurance issues that had been raised by its DOE regulators.

Mr. Horton revised the DOE Quality Assurance Program document for the Pantex Site Office to address the requirements of DOE O 414.1B and QC-1. He also revised several implementing procedures to address the new QA program document. In addition, he reviewed and provided comments to the Pantex Site Office on BWXT Pantex Quality Assurance Program Description.

Mr. Horton participated as a member of the Operational Readiness Review Team for the Advanced Mixed Waste Treatment Plant located at INEEL prior to initial startup.

Mr. Horton directed the development and implementation of the Quality Assurance Requirements Document (QARD DOE/RW-0333P) for evaluation of the Yucca Mountain geologic disposal system, in compliance with Federal and State regulatory requirements. Mr. Horton, as Director, Office of Quality Assurance, maintained his Lead Auditor certification by performing internal and external audits and surveillances of DOE and contractors' QA program implementation and reporting results to DOE management and regulatory agencies

Mr. Horton was responsible for integrating QA technical and programmatic activities among participating organizations and agencies, planning and managing the implementation of scientific and technical evaluations of the proposed geological disposal system, and for directing engineering design and development of the repository and its waste packages. During Mr. Horton's management tenure, the annual budget of the Yucca Mountain Project was approximately \$530 million involving over 2600 Federal and contractor employees.

Mr. Horton also served as Manager, Nuclear Quality Assurance, for Arkansas Power and Light Company. In this position, he was responsible for managing a group of approximately forty (40) personnel in the Nuclear Quality Assurance Division.

These responsibilities included the overall development and maintenance of the Quality Assurance Program for a two unit operating nuclear plant, quality engineering activities, procurement and source inspections, internal auditing, and tech spec. surveillance program.

EDUCATION:

University of Idaho
U.S. Naval Nuclear Power School
Mt. Vernon TWP High School, Mt Vernon, Illinois

REFERENCES:

Russ Dyer, Chief Scientist Yucca Mountain Project, (702)794-1448
Rich Higgins, QA Manager CH2M Hill, (509)373-5305
Henry Greene, QA Supervisor BSC Nevada (702)821-7359