

LONGENECKER and ASSOCIATES

EXPERIENCE SUMMARIES FOR KEY PERSONNEL

Cynthia D. Taylor English

EXPERIENCE SUMMARY

Ms. Taylor English has 34 years experience in the nuclear power industry with extensive experience in implementing and coordinating quality programs, assessing contractor QA programs and management systems, preparing inspection and/or assessment reports, and identifying deficiencies. Cindy also has experience in implementing DOE Order 414, NQA-1 and the OCRWM QARD DOE/RW-033.

ACCOMPLISHMENTS

- Implementing/coordinating QARD DOE/RW-0333P, NQA-1, and ISO 9001 QA programs
- Conducting inspections/assessments and preparing inspection/assessment reports
- Providing QA support to Department of Energy (DOE), Nuclear Regulatory Commission (NRC), and the DOE Office of Civilian Radioactive Waste Management (OCRWM)
- Identifying and correcting weaknesses and deficiencies within QA programs
- Assessing DOE Contractor QA programs and management systems
- Certified NQA-1 Lead Auditor, 1988-present
- Certified OCRWM Lead Auditor, 2000-present
- Certified ISO 9001 Lead Assessor, 1998-2005
- Excellent written and verbal communication skills

DETAILED EXPERIENCE

2005-Present: Longenecker & Associates, Los Alamos, NM, Senior QA Manager

Principal to the development of a regulatory-compliant QA Program for Los Alamos National Laboratory (LANL) Environmental & Remediation Support Services (ERSS) by selecting a relevant voluntary standard (ANSI/ASQ E4-2004), and revising an existing non-compliant DOE Order 414.1B program to include the requirements from mandatory and voluntary standards. Conducted a gap analysis of the LANL ERSS QA Program to the requirements of DOE Order 414.1C, NQA-1-2000, ANSI/ASQ E4-2004, and the New Mexico Order on Consent (QA requirements), and identified and programmatically addressed numerous regulatory gaps. Coordinated implementation of the new QA Program through training and a major culture change.

1999-2005: Cindy Taylor Consulting, Richland, WA, QA Consultant¹ and Acting QA Manager (for AMEC Earth and Environmental, Inc.)

Maintained and implemented the DOE Office of River Protection (ORP) OCRWM QA Program, including performance of surveillances to evaluate implementation of the implementing procedures. Conducted audits, surveillances, and pre-award evaluations of suppliers and subcontractors. Conducted surveillances of Bechtel National Inc. (BNI, the Waste Treatment Plant Contractor) to the NQA-1-1989 and OCRWM requirements. Reviewed BNI and CH2M HILL Hanford Group (CHG) OCRWM documents (e.g., the QA Manual, the DOE/RW-0333P matrix, the Immobilized High Level Waste (IHLW) Waste Form Compliance Plan, and the IHLW Qualification Documentation). Conducted audits and surveillances of CHG to OCRWM and

NQA-1-1989 requirements. Coordinated implementation of the DOE ORP OCRWM QA Program, including Developed DOE ORP Inspection Procedures and review plans, and conducted DOE ORP inspections (audits) of BNI to the requirements of 10 CFR 830, Subpart A and NQA-1-1989

1990-1999: Pacific Northwest National Laboratory, Richland, WA, Senior QA Engineer

Conducted audits and pre-award evaluations of suppliers and subcontractors of analytical, calibration, and environmental services to the requirements of NQA-1, DOE/RW-0333P, DOE Order 5700.6C/10 CFR 830.120, 10 CFR Part 21, ASQ E4, ISO 9001, and ANSI/NCSL Z540-1-1984. Performed surveillances and oversight of field activities, e.g., groundwater sampling, well drilling, soil sampling, underground storage tank removal, field screening. Reviewed QA programs for compliance to 10 CFR 830.120, NQA-1, ASQ E4, and ISO 9001; recommended modifications to the QA programs to address the gaps. Performed baseline assessments (i.e., gap analyses) on several management systems to the requirements of DOE/RW-0333P, NQA-1, ISO 9001, ISO 14001, DOE Order 5700.6C, 10 CFR 830.120 and Guidance, DOE Order 414.1 and Guidance, and ANSI/NCSL Z540-1-1994. Mentored and evaluated several staff members in performing on-site pre-award evaluations and conducting audits of suppliers and subcontractors.

Managed Ukrainian QA Project, including training Ukrainian engineers from Chernobyl Nuclear Power Plant in conducting audits to the requirements of ISO 9001/1994 and developing proposals to provide ISO 9001/1994 training to several Ukrainian nuclear power plants. Developed QA requirements for procurement documents (i.e., statements of work) for environmental, analytical, and calibration services.

Fostered professionalism within a multi-contractor assessment team by identifying areas which required structure and discipline. Mentored QA Support Team members on DOD-regulated projects in the areas of QA plan development, project cost estimates, surveillance performance, and contractor interface. Led improvement initiatives on multi-contractor team in developing and reviewing the Hanford Analytical Services Quality Assurance Requirements Document (HASQARD). Analyzed deficiencies in order to identify trends and direct future verification activities (i.e., audits and surveillances)

1989-1990: Advanced Sciences, Inc., Richland, WA, Senior QA Engineer

Conducted an 3-week audit of the Waste Isolation Pilot Plant (WIPP) in Carlsbad, NM. Researched abandoned waste sites in support of Environmental Impact Statements. Wrote QA sections of proposals.

1989: Stone & Webster Engineering Corporation, Richland, WA, QA Specialist (Part-time, temporary assignment)

Developed surveillance procedures for DOE, Richland Office.

1988-1989: E. I. DuPont de Nemours Company, Aiken, SC, QA Specialist

Administered personal services contracts for 75 QA professionals, and basic ordering agreements with 5 major environmental contractors at Savannah River Site.

1988: Dennis Millican & Associates, Oak Harbor, OH, Contractor (Contract assignment)

Conducted configuration management of procedures, drawings, specifications, etc. during refueling outage at Davis Besse Nuclear Power Plant.

1987-1988: Los Alamos Technical Associates, Richland, WA, Licensing Engineer (Employment ended due to shutdown of the BWIP)

Drafted Socioeconomic Impact Report for the Basalt Waste Isolation Project (BWIP). Conducted several audits.

1985-1987: Westinghouse Hanford Company, Richland, WA, QA Engineer

Conducted surveillances of the BWIP. Tracked surveillances and deficiencies to identify trends and direct future verification activities.

1983-1985: NUS Corporation, Richland, WA, Licensing Engineer and QA Engineer

Researched and disseminated generic information and lessons learned regarding regulatory issues to licensing professionals within nuclear power plant subscribers (i.e., Licensing Information Service). Developed the Quality Assurance Management Information Service, an information and lessons learned service to QA professionals within nuclear power plant subscribers. Performed a 3-month field assignment doing licensing/regulatory compliance activities in Raleigh, NC. Coordinated conferences to host QA professionals in 2.5 day seminars twice a year.

1973-1983: Washington Public Power Supply System (now Energy Northwest), Richland, WA, Senior Licensing Assistant

Managed Preliminary and Final Safety Analysis Report development and revision for Unit 2. Coordinated responses to site-specific questions on Unit 2 and Unit 3.

EDUCATION

- MBA, Engineering Management & Technology, City University, Washington, 1992
- BA, Business Management, Eckerd College, Florida, 1986

REFERENCES

- Sam Vega - DOE Office of Safety Regulation (509) 373-1240
- Al Hawkins - DOE Richland Office (509) 376-9936
- Dennis Carson – DMJM H+N Richland Office (509) 375-7890