

## **ROBERT M. SHEPARD**

### **EXPERIENCE SUMMARY**

Mr. Shepard's experience include General and Project Management, specializing in systems-based multi-disciplined management, engineering, quality, nuclear safety, configuration management, facility design basis, USQ process, diagnosis and solution implementation, safety analysis, emergency plans & implementation procedures, DOE Safety Management (10 CFR 830, DOE G 3009-94 (CN-2), DOE G 424.1-1, DOE-G-423.1-1, & DOE-G-420.1-1) procedure development, process, work control, management reviews, tank waste evaluations, causal analyses, and management assessments. He is experienced in team building for immediate and long-range goals, and making timely decisions. Certified Lead Auditor (NQA-1).

### **DETAILED EXPERIENCE**

**Portsmouth Gaseous Diffusion Plant** – Providing support for the development of a DOE O 426.2 compliant and complete training program for the PORTS D&D Project including nine procedures, a training program plan, and creation of a Training Implementation Matrix.

**Multiple Clients** – Provided training on Reliability Centered Maintenance, Causal Analysis, Quality Programs, and Issues Management.

**Multiple Clients** - Provided management, technical guidance, and support to transform an ISO-9000, multi-disciplined company, into an NQA-1 compliant company in order to support the commercial nuclear industry. Revised the Safety Programs as well.

#### **Fluor Enterprises (09/07 – 06/11)**

Provided management and quality services in the areas of change control, setting up an NQA-1 compatible engineering process, records, human factors, training program, construction work packages, construction QA protocol, material management, procurement practices, subcontractor management, design basis documents, management assessments, causal analyses, regulatory oversight, audits, and procedural coverage. Transformed the Fluor ACP training program into an IAEA, IMPO, & NEC compliant program at both the Greenville, SC and Piketon, OH locations. Provided training for engineering disciplines on engineering & NQA-1 – related processes.

#### **Sandia National Laboratory – Senior Consultant (12/06 – 9/2007)**

Provided training support services in regard to Lesson Plan transformation from classroom to individual instruction, preparing training requirements matrices, performing job task analyses, developing training programs to address the identified needs, providing qualification requirements in conjunction with identified work activities and required personnel, developing course-training packages, preparing trainers to deliver the training, and developing the Lead Lab training program description under the QARD (DOE/RW-033) and the Lead Lab QAPD (QA-PRG-001).

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**Los Alamos National Laboratory (LANL) – Senior Consultant (3/05 – Present)**

Provided multiple Causal Analyses [USQ, Employee Retaliation, CAR Process, Work Management, & procedure compliance, Training Programs, Issues Management, Management Assessment, and Management Walk-around processes. Providing direct support to the evaluation and acquisition of the Laboratory Issues Management Tracking System (LIMITS).

**Fluor Hanford – Richland, WA – Senior Consultant (2/04)**

Provided lead on a team evaluating the buried TRU waste boxes for the potential of hydrogen gas. Evaluation included reviewing relevant container studies and sampling & test results, box specifications, permeability factors regarding sealant and gasket material, and current safety analysis.

**Department of Energy, Office of River Protection (ORP), Nuclear Safety; Senior Consultant (07/02 – 10/03)**

Performed nuclear safety analyses evaluation, reviewing technical specifications, evaluating design basis, and addressing USQ related issues. Prepared the Documented Safety Analysis (DSA) review plan, authored the PDSA and DSA DOE Review and administration procedures, and completed the DSA review.

**CH2MHill Hanford Group (CHG) - Richland, WA – Senior Consultant (6/99 – 05/05)** Participated on Management assessments in the areas of Human Factors, Configuration Management, Cost Estimating, Change Control, and Unreviewed Safety Questions. Responsibilities were to serve as principle assessor and principle author of the assessment plans and final reports. Areas investigated are procurement, engineering, nuclear safety, human factors, configuration control, process control, and software control. Provided support in the Standards & Requirements Documents and ISMS effort. Provided support to the Project Integration Office (PIO).

**(10/00 – 04/01)** Provided support to Waste Treatment Project (WTP). Support includes completion of the Design Criteria Database (DCD), preparation and implementation of a plan for the migration of the DCD to the new Document Control software and supporting the data migration.

**Foster Wheeler Environmental Corporation – Richland, WA – Configuration Manager (6/00 –12/01)**

Established the technical baseline, Control of the design basis, Managing and coordinating concurrent engineering elements including interface control, systems verification, and records management. Participated in a QA assessment of a sub-contractor's QA program, including implementing procedures for inclusion in the project. Contributing author to the writing and approval of a NQA-1, ASME-approved, QA program manual.

**Commonwealth Edison (ComEd), Design Basis Computerization Chicago, IL, Project Engineer (04/97 – 02/99)**

Mr. Shepard was the Project Engineer [Technical Scope] for a six-site, 12 plant \$44 million effort to computerize the design basis for each site, tie the basis to the Electronic Work Control Software, and organize the data to provide ties to systems, components, events, maintenance records, requirements, etc.

**United States Enrichment Corporation (USEC), Portsmouth Gaseous Diffusion Plant (GDP), Piketon, OH, Project Manager (04/96 – 02/97)**

Mr. Shepard managed the recovery of a nuclear criticality safety Analysis and Guidelines Upgrade program. This was a coordinated effort between operations, engineering, ES&H, and maintenance.

**USEC, Senior Management Mentor (10/95 – 05/96)**

Provided engineering management techniques to transform the DOE-based engineering organization into an engineering organization licensed by the NRC under 10 CFR 76 and 10 CFR 71. Served on an assessment team that provided an assessment for Portsmouth & Paducah GDPs cell management that included priorities, maintenance, safety, scheduling, failure management and problem identification, lack of long-term management view, and operations.

**EMPLOYMENT**

U.S. Navy:	1962 - 1970	U.S. Naval Reserve [Ret.]:	1970 - 1983
Westinghouse Electric Corp:	1973 - 1980	Stafco:	1980 - 1981
Quadrex:	1981 - 1982	RMS Associates:	1982 - 2012
LRL Energy Services:	1995 – 2001	Longenecker & Associates	1999 - 2012

**EDUCATION**

- University of Florida, B.S., Nuclear Engineering Sciences
- University of Pittsburgh, MSIE, Course Work, Engineering Management
- Westinghouse Electric Corp., Various Management Courses
- Advanced Naval Nuclear Power School, (Officer course work)