

## **Paul Lowe**

### **EXPERIENCE SUMMARY**

- Very extensive Commercial Nuclear Power Plant experience in operations and construction
- Expert in root cause analysis, Corrective action/Recovery plan development, closeout/ verification
- Certified Lead auditor to NQA-1 and previous standards, performed over nuclear 100 audits
- Responsible for, or helped bring several NRC regulated companies and projects back into NRC compliance through program development and application of program requirements
- Expert and certified in numerous manufacturing processes
- Extended knowledge in Waste Remediation
- Proficient in software programming and databases for use in Quality Assurance and project planning
- MBA in 2001 Nova Southeastern and also PE

### **DETAILED EXPERIENCE**

- 2002 – 2008      Independent contractor (General Electric, WFG and others)  
Review of compliance documentation, customer applications, Audits Supervised subcontractors. Technical support staff: Performed Root & Cause Analysis and provided interpretation of QA requirements to group managers and technical staff. Part of team responsible for license application success on YUCCA project. I was also cited on project for exemplary Cause Analyses Report authorship. Performed compliance audits to NRC, DOE, and project requirements; reviewed and approved technical reports determining problem areas and solutions; developed procedures; Designed data bases and web sites; performed management assessments. Responsible for interviewing Ph.Ds., engineers, project professionals, and reviewing technical reports in determining problem areas and solutions.
- 2000 – 2002      Manager of Corrective Action - ES&H Program Manager-Lead Auditor, British Nuclear Fuel Solutions, Scotts Valley, CA (NRC regulated company)  
Supervised 7 engineers and managers. Performed and supervised root-cause analysis for worldwide operations; interfaced with auditors, regulators, project and engineering managers; Performed QA engineering and QA/QC manager duties as required. Performed probabilistic Risk Assessments. I was Responsible for help bringing NRC regulated division back into compliance. *This division was sold in 2002.*
- 1988 – 2000      Principal Engineer- Savannah River National Laboratory (DOE Facility)  
Developed Procedures to Implement QA on R&D: Developed QA Plans for various radioactive wastes; Responsible for nuclear materials QA, Q-clearance: Performed audits, management assessments: Interfaced with state and federal regulators: Ensured vendors were able to meet program requirements: Extensive field experience: Developed various commercial vendors into nuclear capable: Performed

Integrated Safety Management and other reviews: Wrote ASTM Specs and contributed to other national standards: Overlooked about 200 Ph.D.s

- 1986 – 1988      Systems Engineer, Battelle Memorial Institute  
Systems Engineer. Wrote Technical Management Procedures based on analysis of the management system/process activity. *Project canceled by act of Congress.*
- 1978 – 1986      Staff Consultant, Consumers Power and Quality International, (Nuclear Power Plants)  
Served HL&P as Project Lead Engineer (supervised ten engineers) helped bring unit on line. Identified and verified that the final commitments made to the NRC for seismic and environment qualification of equipment. Reviewed design specifications, procurements, manufacturing data, installation inspection, testing procedures, and maintenance. Wrote program topical and operating procedures for Fermi 2 Directly responsible for implementing QA program at various facilities and companies. Consumers Power QA Project Engineer, Licensing engineer (Power plants) Responsible for quality engineering activities, including design for operating plants (Palisades PWR) and (Big Rock Plant's BWR). Administered the upgrading of electrical Class 1E systems to meet the NRC-directed environmental and seismic requirements (EEQ). Responsible for vendor compliance. Quality Assurance Engineer/Audit and Administration. Responsible for audits of operating nuclear plants, Midland construction, and on vendors, and architect/engineers, and all home-office and plant operating departments. Developed procedures for corporate and plant functions. Performed over (70) major audits usually serving as team leader. Reviewed licensing documentation for operating plants (BWR & PWR) and new construction.

## ANCILLARY SKILLS

- Certified AWS weld inspector; past Level 3 in Mechanical, Civil, and I&C; also in ACI testing PT, MT, RT, UT; qualified in other manufacturing techniques.
- Registered Professional Engineer
- Lead Auditor to NQA-1 and various other national standards
- Westinghouse Vice presidents , outstanding Engineer, and Project Team awards
- Expert in various advanced computer programming and databases utilities
- Well-versed in the Clean Water Act, Clean Air Act, RCRA, and CERCLA

## EDUCATION

Akron State University, Akron OH  
University Of Michigan, Dearborn  
Nova Southeastern University, Ft Lauderdale, FL

BS Industrial Engineering  
Graduate Eng. Classes toward MS  
MBA (2001)