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# LONGENECKER and ASSOCIATES

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## Ronald E. Matthews

### DETAILED EXPERIENCE

MARCH 2006 to Present ARGONNE NATIONAL LABORATORY CHICAGO, IL (SERVICES CONTRACTED THROUGH SERVICE SOURCE, INC AND NAVARRO RESEARCH AND ENGINEERING, INC.)

POSITION HELD: QUALITY ASSURANCE SPECIALIST/MANAGEMENT ASSESSMENT COORDINATOR

DETAILS OF POSITION: Support the integration of self-assessment and Contractor Assurance processes; development, training, and implementation support for the Management Assessment process at the Laboratory; develop and implement the process for review and grading management assessment reports for mentoring/feedback and for measuring continuous improvement of the assessment process; assist in the planning, performance and reporting of management assessment; support improvements in issues management and corrective action processes. Perform Management and Independent Assessments of Laboratory ESH and QA program adequacy and implementation. Develop and implement Surveillance program to provide limited focus, real time, independent assessment of experimental and non-experimental work activities to provide timely feedback and support continuous improvement initiatives. QA Policy and Program development, implementation and assessment experience responsive to 10 CFR 830 Subpart A, DOE Order 414.1C, and DOE Order 226.1.

JANUARY 2006 Envirocare/Energy Solutions/BNG America Oak Ridge, TN (Direct Services Contract with BNFL)

Position Held: Contract Quality Assurance Consultant

DETAILS OF POSITION: Reviewed Nuclear utility Request For Proposal and associated SAR, Technical Specifications, Quality Assurance Program and Administrative controls to develop the Envirocare/Energy Solutions/BNG America Team quality assurance portion of the bid proposal for removal of the Fermi reactor vessel and internals, intermediate heat exchangers, and primary sodium pumps.

APRIL 2004 TO OCTOBER 2005 BNFL Inc/BNG America (ETTP) Oak Ridge, TN (Direct Personal Services Contract with BNFL)

POSITION HELD: Contract Quality Assurance Consultant – Project QA Manager, Issues Management Specialist

DETAILS OF POSITION: BNFL/ETTP (Oak Ridge, TN) – Provide staff augmentation as Issues Management Specialist (ISM) for the Compliance Support Organization. Interact with other ETTP project organization to manage and resolve issues identified on the project. Led and performed considerable Root and Apparent Cause Analysis of events and adverse trends. Assisted in the development of the updated Issues Management System (Integrated Nonconformance and Corrective

Action Programs). Developed Cause Analysis Procedure and Cause Analysis Guide for the conduct of Apparent and Root Cause Analyses; reviewed and revised procedures interfacing with the Issues Management System [Price-Anderson Reporting (PAAA), Incident Investigations, Occurrence Reporting (ORPS) and Lessons Learned]. Developed Corrective Action Plans (CAP) to respond to DOE OA findings and Type B investigations and served as CAP Manager to interface with the DOE and manage the CAP actions through completion and verification. Served as point of contact for DOE verification activities associated with CAP implementation. Perform QA review (QA SME) of Enhanced Work Plans. Perform Material Requisition/Purchase Order review for QA Requirements. Participate in subcontract planning to ensure quality requirements including Work Smart Standards are flowed down to subcontractors. Performed QA Receiving Inspection. QA Program implementation experience responsive to 10 CFR 830 Subpart A and ISO 9001. Led and conducted Independent and Management Assessments of D&D operations to verify compliance and effective implementation of DOE contract requirements and ETTP policies/procedures, Work Smart Standards, QAPP and ISMS requirements. Filled the position of Project QA Manager from December 2004 to October 2005 providing liaison with the ETTP organization for services provided by the QA organization, interface with external organizations including DOE. Managed project closeout activities including final record scanning/indexing and turnover to DOE. .

NQA-1 Lead Auditor is current. Completed ISO 9000 Auditor Training. Hold DOE 'L' clearance. Completed Rad Worker and Hazwoper Training. Current Medical/Respirator Fit Certificate.

MAY  
2003 TO  
APRIL  
2004

Quality Waste Solutions, LLC  
5885 Lakeside Drive, Lenoir City, TN 37772

Position Held: Contract Quality Assurance Consultant – Issues Management Specialist

Details of Position: Essentially same as listed above

FEB.  
2001  
TO  
MAY  
2003

Sargent & Lundy  
55 EAST MONROE STREET, CHICAGO, IL 60603

POSITION HELD: Contract Quality Assurance Consultant

DETAILS OF POSITION:

- BNFL/ETTP (Oak Ridge, TN) – November 2002 to May 2003 – Issues Management Specialist (ISM) for the Compliance Support Organization. Interact with other ETTP project organization to manage and resolve issues identified on the project. Performed Root and Apparent Cause Analysis. Assisted in the development of the updated Issues Management System (Integrated Nonconformance and Corrective Action Programs); developed Cause Analysis Procedure and Cause Analysis Guide for the conduct of Apparent and Root Cause Analysis. Reviewed and revised procedures [Price-Anderson Reporting/Incident and Occurrence Reporting (ORPS)] interfacing

with the Issues Management System. QA Program implementation responsive to 10 CFR 830 Subpart A and ISO 9001.

- BNFL/BFS (Scotts Valley, CA) - Performed Internal Quality Assurance audits of Dry Fuel Storage Contractor; developed corrective action validation process (effectiveness review) and performed approximately 20 corrective action effectiveness reviews; developed audit checklists for all the 10 CFR 71/72 Quality Assurance audits to be conducted by BNFL in 2002.

DEC. 1999 SERVICE SOURCE, INC.  
TO P.O. BOX 15, NANTICOKE, PA 18634-0015

JAN. 2000 POSITION HELD: Quality Assurance Consultant – Ionics, Inc. (Bridgeville, PA)  
DETAILS OF POSITION:  
Reviewed and updated procedures and work packages related to the fabrication of nuclear spent fuel dry storage components for compliance with design drawings, design specifications, contract requirements and government regulations (10 CFR 71/72).

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APRIL  
1974 TO  
JULY  
2002

Pennsylvania Power and Light Co.

SUSQUEHANNA STEAM ELECTRIC STATION

PO BOX 467, BERWICK, PA. 18603

POSITIONS HELD:

April 1981 to July 2002 - Sr. Analyst, Nuclear Quality Assurance

October 1978 to September 1980 - Supervisor, Nuclear Records

December 1974 to October 1978 - Analyst, Nuclear Quality Assurance

DETAILS OF POSITIONS:

Analyst/Sr. Analyst, Nuclear Quality Assurance – Up to the early 1980s was responsible for construction and start-up testing oversight of a two-unit nuclear power plant. Oversight was multi-disciplined and included civil, mechanical, electrical and I&C construction activities. Operating power plant oversight experience included a variety of multi-disciplined internal audits, assessments and surveillances related to the operation and maintenance of a nuclear power station. Completed utility Engineering Technical Support Certification. Conduct procurement evaluations, QA program plan and manual reviews, audits and source verifications associated with procurement of material/hardware/components and maintaining multi-disciplined vendors and contractors on the Approved Suppliers List. Responsible for development of the PPL QA program and Source Verification Plans for fabrication of the Horizontal Storage Modules, Dry Shielded Canisters, Transfer Cask and Reactor Crane Hook/Yoke assembly related to the nuclear power station independent spent fuel storage installation (ISFSI). Reviewed contractor project specific plans for the performance of component manufacturing and fabrication. Performed readiness reviews/assessments and in-process audits and source verification activities related to the fabrication of above ISFS components at multiple manufacturing and fabrication suppliers. Acted as liaison with NRC at the onset and during ISFSI QA program/plan review by the NRC including presentations to the NRC Staff at NRC

headquarters. Development of Quality Assurance Plans for other projects in the nuclear station. These plans provided the programmatic controls including vendor interface for a Fuel Pool Clean-out Project and a Chemical Decontamination Project of the plant Recirculating Water System. Served as Supervisor-Nuclear Records for two years. Other long-term project assignments included:

- Program/process development related to the issuance of the N3 Code Data Report for Susquehanna Units 1 and 2 and implementation of the program for Unit 1.
- Identification and resolution of inspection and documentation anomalies related to the Susquehanna E-Diesel construction project.

Extensive field experience in the nuclear power plant and at manufacturing/fabrication facilities including radiologically controlled environments.

APRIL 1973  
To  
APRIL 1974

Bechtel Power Corporation  
MILLSTONE POINT UNIT # 2, NIAANTIC, CT

POSITION HELD: Quality Assurance Technician

DETAILS OF POSITION:

Primary responsibilities were Civil discipline related; however, due to personnel shortages, became multi-discipline and conducted 24 plant construction quality assurance audits in a 12 month period. Audits were in the electrical, mechanical, piping, instrumentation and control and civil/structural/concrete areas.

JULY 1972  
To  
NOV. 1973

BECHTEL POWER CORPORATION  
CALVERT CLIFFS UNITS #1 AND #2, LUSBY, MD

POSITION HELD: Small Pipe Designer

DETAILS OF POSITION:

Responsible for the design and routing of 2" and under piping during construction of these nuclear units.

JULY 1972  
To  
NOV. 1972

BECHTEL POWER CORPORATION  
FARLEY NUCLEAR PROJECT, GAITHERSBURG, MD

POSITION HELD: Design Draftsman

DETAILS OF POSITION:

Responsible for the development of piping isometric drawings showing entire plant systems to assist in the construction of those systems.

APRIL 1974 TO  
JULY

Pennsylvania Power and Light Co.  
SUSQUEHANNA STEAM ELECTRIC STATION  
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DETAILS OF POSITION: Responsible for the development of piping isometric drawings showing entire plant systems to assist in the construction of those systems.

### EDUCATION

1969 TO Penn State University (Wilkes-Barre Campus)  
1972 LEHMAN TOWNSHIP, PA

- 1 Yr. Certification - Drafting and Design Technician (1970)
- Associate Degree - Mechanical Engineering Technology (1972)