



## **KAY B. EMANUELSON**

### **EXPERIENCE SUMMARY**

Experience includes over thirty five years national and international experience in Quality Assurance/Quality Control/Construction/Startup and Operations. Specific programs include the Transuranic Waste Characterization Program, Power Generation, Petrochemical, Dry Fuel Storage, Chemical Demilitarization, Telecommunications and Manufacturing industries including positions held in: QA Management; Construction Supervision; Field Engineering; and QA/QC Supervision. Areas of experience include: Electrical, Instrumentation/Control and Mechanical Inspection, Qualification as Lead Auditor, Formal Root Cause Analysis, Development of Programs, Corrective Action Resolution, Work Order Planning/Review, Training/Certification of personnel, and Procedure/Specification Writing/Review.

### **DETAILED EXPERIENCE**

#### **Quality Assurance Specialist – Longenecker & Associates**

06/2016-Present

Provides work package closure verification support to the DOE Salt Waste Processing Facility Project Office.

#### **QA Inspection Planning Supervisor – Shaw Group Inc., Chicago Bridge & Iron, Power, WECTEC Waynesboro, GA**

11/2011-06/2016

Supervision of Inspection planning personnel in support of construction of two AP1000 Westinghouse reactors at Plant Vogtle Units 3 and 4. Responsibilities include supervision of Inspection Planning personnel, procedure reviews and process improvement of ongoing work.

#### **Enforcement Coordinator/Operating Experience Coordinator/Field Process QA/QC Manager – Idaho Treatment Group, Bechtel, BWXT Idaho, LLC, N/A, BNFL, Inc. Idaho Falls, ID**

01/2001-10/2011

Performance of QA activities associated with design, procurement, construction, commissioning and operation of the Advanced Mixed Waste Treatment Facility including review for Price Anderson Amendments Act applicability. Routinely acted as QA Manager in absence of the designated QA Manager. Specific functions include the performance of QA Program audits, surveillances, document reviews, development of programs, and oversight to assure compliance with regulatory/contractual requirements in support of characterization/shipping activities associated with shipment of transuranic waste to the Waste Isolation Pilot Plant in Carlsbad, New Mexico. Appointed to Field Process QA/QC Manager position to perform surveillance activities during operations of the Advanced Mixed Waste Treatment Project.

#### **QA Supervisor/Quality Engineer – LMITCO/Bechtel BWXT Idaho, LLC, N/A Idaho Falls, Idaho**

08/1999-01/2001

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Perform duties as a Quality Engineer and Supervisor of Quality Engineers/Quality Inspectors at the Radioactive Waste Management Complex. Responsibilities include data validation for compliance with Transuranic Waste Characterization Project requirements, review of purchase/design/work authorization documents for conformance to specified requirements, and surveillance of ongoing activities to assure compliance with regulatory/procedural requirements.

**Project Engineer – Project Assistance Corporation, N/A  
Walnut Creek, California**

02/1999-08/1999

Project representative for BNFL Fuel Solutions, interfacing with Asea Brown Boveri during construction of Dry Fuel Storage Containers at the fabricator's facility. Responsibilities included resolution of design issues, expediting of material restraints, and scheduling of work activities associated with completion of the project.

**Construction Engineer – Stone & Webster, Construction  
Houston, Texas**

08/1998-10/1998

Responsible for performing field-engineering activities in support of outage modifications at TVA's Browns Ferry power plant. Responsibilities include initiation/revision of work plans and design documents.

**Configuration Technician – EG&G Management Systems, N/A  
Albuquerque, New Mexico**

07/1997-03/1998

Responsible for configuration verification of plant process and support systems, supporting chemical weapons disposal activities. Activities Included walk down of systems, redlining of drawings, Standard Operating Procedures and Control Room Screen Displays in an effort to assure alignment with current plant configuration.

**QA Engineer – Bolt Staffing Service, N/A  
Idaho Falls, Idaho**

06/1997-06/1997

Consultant for Lockheed Martin Advanced Environmental Systems Pit 9 Comprehensive Demonstration at the U. S. Department of Energy's Idaho National Engineering and Environmental Laboratory. Responsibilities included review of Subcontractors QA Programs to assure compliance with DOE Regulatory requirements and surveillance of subcontractors work performed to assure compliance with program requirements.

**Construction Supervisor/QA Specialist – ABDULLAH SAID BUGSHAN & BROS., N/A, Riyadh  
Saudi Arabia**

04/1996-03/1997

Responsibilities included construction supervision/management of Quality Assurance activities, surveillances, and supervision of subcontractor construction activities on the Lucent Technologies telephone expansion project in Saudi Arabia.

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**Construction Supervisor/QA Specialist – Stone & Webster, Engineering  
Boston, Massachusetts**

02/1994-03/1996

Construction Supervisor/QA Specialist

Responsibilities included procedure writing, construction supervision, QA surveillances and supervision of subcontractor construction activities on the Lucent Technologies telephone expansion project in Saudi Arabia. Performance of surveillances on construction activities on both fiber optic and cellular telephone equipment installations.

Sr. Inspector

Assigned to the Joint Pipeline Office to perform monitoring for compliance with regulatory requirements on the Trans-Alaska Pipeline System. Duties included: interface with contractor and project personnel, analysis of corrective actions being performed, supervision of personnel performing surveillances on special projects for the associated facilities, analysis of surveillance results and issue resolution through coordination with project management.

**QC Specialist/Lead Electrical Inspector – EBASCO Services, Inc., N/A/Stone & Webster Engineering Corporation/Raytheon Engineers & Constructors**

05/1986-02/1994

QC Specialist/Lead Electrical Inspector

Assigned to Texas Utilities Electric Generation Co. to perform Lead Electrical Inspector activities at Comanche Peak. Responsibilities included: procedure review, coordination of interface between Quality Control, Construction and Engineering departments, supervision and training of personnel within the Electrical QC Department and resolution of procedural and specification type restraints encountered during construction.

QC Specialist

Assigned to Public Service Co. of Colorado's Ft. St. Vrain Nuclear Power Plant to perform QA Surveillance activities, procedure review, environmental qualification, electrical, penetration seal, mechanical and I&C maintenance inspections, post maintenance functional testing and development/implementation of re-inspection programs.

**QC Electrical Inspector/QA Field Verification Engineer/QC Supervisor – NATIONAL INSPECTION AND CONSULTANTS, INC., N/A  
Fort Myers, Florida**

05/1983-02/1986

QC Electrical Inspector

Performed first line inspections for Baldwin Associates at Illinois Power's Clinton Power Station. Responsibilities included inspection of cable terminations, electrical equipment and raceways.

QA Field Verification Engineer

Performed random sampling verification of QC completed work packages per Mil-Std 105D for Baldwin Associates at Illinois Power's Clinton Power Station.

QC Supervisor

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Supervision of inspectors on the electrical inspection team for H. P. Foley Electric Company at Pacific Gas and Electric's Diablo Canyon Generating Facility. Responsibilities included: indoctrination, training, certification and supervision of inspection personnel, interface with construction and engineering departments, and review/approval of corrective actions specified on dispositions of deficiency documents.

**QC Engineer – BRAND EXAMINATION SERVICES AND TESTING CO., N/A**  
**Richland, Washington**

04/1982-04/1983

Performed pre-test review of work packages and walk down of systems for various hydrostatic and pneumatic tests including Reactor Pressure Vessel tests. Performed inspection on ASME and ANSI B31.1 piping, components and hangers.

**Quality Verification Inspector/Level II Inspector – NATIONAL INSPECTION AND CONSULTANTS, INC., N/A**  
**Fort Myers, Florida**

11/1980-04/1982

Quality Verification Inspector

Performed visual inspection on ASME /ANSI B31.1 piping, components and hangers for J. A. Jones Construction Company at Washington Public Power Supply System, Unit 1.

Level II Inspector

Performed VT, MT and PT on AWS and ASME structural work at the Perry Nuclear Power Project for Newport News Industrial Corporation of Ohio.

**Quality Assurance Inspector – FISCHBACH/LORD ELECTRIC COMPANY, N/A**  
**Richland, Washington**

05/1978-08/1980

Performed welding inspection (VT and MT) per AWS D1.1, ASTM E-109 and company procedures; inspection for dimensional and load tolerances on cable and raceway supports, inspection of cable tray, conduit, cable pulls and cable terminations, and assisted in training and certification of personnel.

**Level II Inspector – AMERICAN X-RAY AND INSPECTION, INC., N/A**  
**Farmington Hills, Michigan**

03/1977-04/1978

Performed RT, MT and VT inspections, all phases of radiography and magnetic particle inspection, dark room operation, film interpretation and documentation of results. Utilized ASME, AWS, ANSI B31.1 and API 1104 Codes. Fieldwork included gas refineries, power plants (fossil and nuclear) and fabrication facilities

**ADDITIONAL TRAINING/CONTINUING EDUCATION**

Industrial Testing and Inspection Technician, Spartan School of Aeronautics, Tulsa, OK, 1976  
Aviation Electronics Technician, Spartan School of Aeronautics, Tulsa, OK, 1975