

CYNTHIA (CINDY) D. JOHNSON

EXPERIENCE SUMMARY

QA/QC - QA DOC. REVIEW - CONSTRUCTION - OPERATIONS - MAINTENANCE

Over thirty-six years of successful nuclear experience in Construction, Quality Control/Quality Assurance, QA Documentation Review, Maintenance, and Operations Oversight in a variety of site facilities and with a number of companies on one of the Department of Energy's largest sites.

STRENGTHS

- Thirty-six years of successful nuclear experience at the Department of Energy's Savannah River Site
- Technical experience in Construction, Power, Maintenance, Quality Control/Quality Assurance, and QA Documentation Review to include DWPF Work Package Closure and nuclear waste canisters receipt with RW-0333P nuclear requirements
- Meticulous, detail oriented, energetic and enthusiastic in problem solving
- Computer literate in Macintosh, Windows, and IBM operating systems, with common site software
- Organized, good communicator, self-motivated, and results oriented
- Recognized by management as dependable, high-performance worker
- Awarded numerous performance and recognition awards

ACCOMPLISHMENTS

- Performed technical acceptance review for vendor manufactured nuclear waste canisters for over 8 Million Dollars' worth of canisters, over 400 canisters in number
- Performed technical Quality acceptance review of Waste Form-Affecting Documentation for filled canisters for nuclear waste shipments to permanent storage in compliance with stringent DOE RW-0333P Requirements
- Received a Productivity and Cost Effectiveness Award (PACE) for submitting a cost savings of \$60K for using surplus canisters for PU Immobilization Test
- Teamed with Safety personnel to perform Safety Walk-down for upgrades for four powerhouses on site
- Recognized for consistent excellent quality performance in reviewing Defense Waste Processing Facility (DWPF) Waste Acceptance Macro Batch Data Records
- Received multiple bonuses, recognition and merit raises based on superior performance

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.

**Quality Assurance Engineer – Savannah River Remediation at Savannah River Plant (US DOE Site)
Aiken, SC**

08/2008-06/2016

Responsibilities:

- Perform ASME NQA-1 Audits as a certified Auditor
- Perform Quality Control inspection, electrical and mechanical, components and instrumentation as certified Level II inspector.
- Perform Receipt Inspection to include Suspect / Counterfeit Items
- Perform Quality Verification inspection of electrical, mechanical, and instrumentation components (including piping, calibrations, leak-testing and terminations)
- Perform canister and accessory receipt, inventory, and conduct inspection for damage
- Perform canister and glass batch process inspections in Defense Waste Processing Facility
- Maintain canister and canister accessory inventory
- Perform Inspection of canister wallet and canister accessory packages to ensure compliance to DOE RW-O333P requirements
- Perform commercial grade dedication and material receipt inspection to engineering standards.
- Review construction work packages and resolved related issues
- Assemble completed process Standard Operating Procedures for canister, SME/MFT Batch Wallets
- Perform commercial grade dedication and material receipt inspection to engineering standards.
- Develop and provide OJT training for inspection personnel.
- Interface with management, DOE and support organizations, ensuring business needs are met.
- Evaluate Process JPM's for DWPF facility QV inspector
- Provide OJT training for HLW QV inspectors
- Enter Quality Assurance Records into the Electronic Document Workflow System (EWDS)
- Create and close Quality Assurance Inspection Reports in Puridium
- Coordinate and assist management in preparation and readiness for DOE, Corporate, and other external audits, and served as Point of Contact for audit assistance

August 2008 DOE split SRS contract into two contracts: M&O contract was awarded to Savannah River Nuclear Solutions and Liquid Waste contract was awarded to Savannah River Remediation

**Quality Assurance Inspector – Washington Savannah River Company Savannah River Plant (US DOE Site)
Aiken, SC**

08/2002-08/2008

Responsibilities:

- Performed Quality Verification inspection of electrical, mechanical, and instrumentation components (including piping, calibrations, leak-testing and terminations)
- Performed Inspection of canister wallet and canister accessory packages to ensure compliance to DOE RW-O333P requirements
- Performed commercial grade dedication and material receipt inspection to engineering standards.

- Performed canister and accessory damage inspection
- Performed canister and glass batch process inspections in Defense Waste Processing Facility
- Maintained canister and canister accessory inventory
- Developed and provided OJT training for inspection personnel.
- Sequenced and stage wallets for QV inspectors
- Assembled completed process Standard Operating Procedures for canister, SME/MFT Batch Wallets
- Evaluated Process JPM's for DWPF facility QV inspector
- Provided OJT training for HLW QV inspectors
- Coordinated and assisted management in preparation and readiness for DOE, Corporate, and other external audits, and served as Point of Contact for audit assistance

**Quality Assurance Inspector – Westinghouse Savannah River Company
Savannah River Plant (A US Department of Energy Site), Aiken, SC**

05/1995-04/2002

Responsibilities:

- Performed Quality Verification inspection of electrical, mechanical, and instrumentation components (including piping, calibrations, leak-testing and terminations)
- Performed Quality Control inspection, electrical and mechanical, components and instrumentation as certified Level II inspector.
- Performed canister and glass batch process inspections in Defense Waste Processing Facility
- Performed commercial grade dedication and receipt inspection to engineering standards and procurement specifications.
- Reviewed canister and vendor documentation packages.
- Performed Inspection of canister wallet and canister accessory packages to ensure compliance to DOE RW-O333P requirements
- Reviewed and/or approved procurements for Defense Waste Processing Facility
- Assembled completed process Standard Operating Procedures for canister, SME/MFT Batch Wallets
- Maintained canister and canister accessory inventory.
- Assembled completed SOPs for canister SME/MFT Batch Wallets.
- Sequence and stage wallets for QV inspectors
- Developed and provided OJT training for inspection personnel.
- Interfaced with management, DOE and support organizations, ensuring business needs were met.
- Evaluated Process JPM's for DWPF facility QV inspector
- Participated on teams to complete specials projects
- Performed alloy analysis of component materials in DWPF Canyon during Startup
- Oversaw and reviewed vendor documentation, procedures and procurement documents
- Coordinated and assisted management in preparation and readiness for DOE, Corporate, and other external audits, and served as Point of Contact for audit assistance

2002 Management & Operations (M&O) Westinghouse Savannah River Company was bought by Washington Group and became Washington Savannah River Company at Savannah River Site (A US Department of Energy Site) Aiken, South Carolina

**Quality Assurance Inspector – Westinghouse Savannah River Company
Savannah River Plant (A US Department of Energy Site), Aiken, SC**

04/1989-05/1995

Responsibilities:

- Performed Quality Verification inspection of electrical and instrumentation components for Operations (including piping, calibrations, leak-testing and terminations)
- Performed Quality Control inspection, electrical and instrumentation as certified Level II inspector for DWPF.
- Performed Inspection of canister wallet and canister accessory packages to ensure compliance to DOE RW-O333P requirements
- Performed commercial grade dedication and material receipt inspection to engineering standards.
- Evaluated Process JPM's for DWPF facility QV inspector
- Reviewed and/or approved procurements for Defense Waste Processing Facility
- Developed and provided OJT training for inspection personnel.
- Interfaced with management, DOE and support organizations, ensuring business needs are met.
- Evaluated Process JPM's for DWPF facility QV inspector
- Participated on teams to complete specials projects
- Performed alloy analysis of component materials in DWPF Canyon during Startup
- Oversaw and reviewed canister vendor documentation, procedures and procurement documents
- Coordinated and assisted management in preparation and readiness for DOE, Corporate, and other external audits, and served as Point of Contact for audit assistance

April 1, 1989 E. I. DuPont Contract ended; Management & Operations (M&O) contract was awarded to Westinghouse Savannah River Company At Savannah River Site (A US Department of Energy Site) Aiken, South Carolina

**Quality Assurance Inspector – E. I. DuPont
Savannah River Plant (A US Department of Energy Site), Aiken, SC**

10/1987-04/1989

Responsibilities:

- Performed Quality Control inspection, electrical and instrumentation as certified Level II inspector.
- Developed and provided OJT training for inspection personnel.
- Planned and developed checklists and inspection reports to acceptance criteria
- Performed Quality Assurance surveillances to QA requirements
- Performed F and H Tank Farm walk downs for compliance drawings
- Interfaced with management, DOE and support organizations, ensuring business needs are met.
- Evaluated Process JPM's for DWPF facility QV inspector.

Electrical & Instrumentation Technician for Start Up, Commissioning of Naval Fuels: E. I. DuPont Savannah River Plant (A US Department of Energy Site), Aiken, South Carolina

05/1985-10/1987

Responsibilities:

- Performed systems walk-down inspections to confirm As-built configuration complied with design drawings
- Performed electrical and instrumentation installations and repair
- Performed calibration and testing during startup and radioactive operations
- Conducted calibration of various Instrumentation
- Conducted replacement and repair of radiation monitoring equipment
- Performed verification, tuning and troubleshooting of electrical and pneumatic control systems loops to include Digital Control Systems (DCS)
- Maintained motor control systems and breakers

Coal Handler – E. I. DuPont Savannah River Plant (A US Department of Energy Site), Aiken, South Carolina

03/1983-05/1985

Responsibilities:

- Operated shaker and tripper car
- Staged railroad cars
- Oversaw and supported all powerhouse facility coal supply operations

Apprentice Pipe Fitter (Construction Local 150) – B. F. Shaw Construction Savannah River Plant (A US Department of Energy Site), Aiken, South Carolina

04/1980-03/1983

Responsibilities:

- Performed production pipe fitting for welds
- Performed hydrostatic testing of piping systems
- Soldered copper pipe and performed TIG welding on stainless steel
- Completed 3 years of Pipefitters/Steamfitters school
- Providing as-built drawing to engineering of final pipe configuration
- Issued materials from warehouse
- Filled Bill of Material orders and made gaskets while assigned to Pipe Warehouse
- Performed production pipefitting for welds, preparing bevels and fit-ups of piping joints, soldered copper pipe, assisted with hydro tests, fabricated mechanical joints, threaded pipe and installed and repaired plumbing; updated drawings
- Updated As-Built Drawings for piping systems for piping contractor for H-Tank Farm

EDUCATION

Graduate, Conroe High School, Conroe, Texas

One-plus years' college, pre-engineering, Augusta State University, Augusta, Georgia

SECURITY

Department of Energy “L” Clearance

- Previous “Q” Clearance downgraded to ‘L’ due to job needs and budget constraints

CERTIFICATIONS

Level II Quality Assurance in Electrical	11/1987
Level II Quality Assurance in Instrumentation & Control	11/1987
Level I Quality Assurance Mechanical Inspector	10-07-1993
LCA – Torqueing Inspection	10-07-1993
LCA – Hydrostatic & Pneumatic	10-07-1993
B31.3 Examiner	
LCA – Threaded Joints & Compression Fittings	09-21-1994
LCA – Leak testing and Hydro Testing	09-21-1994
LCA – Pipe and Tube Bending	02-23-2010
LCA – Flanged Joints	02-23-2010
LCA – Pipe Fabrication and Erection	02-23-2010
Level II Quality Assurance Inspection in Electrical	04-23-1998
Level II Quality Assurance Instrumentation & Control	04-23-1998
Level II Quality Assurance Mechanical	03-08-2001
Level II QA LCA-1 Rotating Equipment Inspection	03-08-2001
Level II QA LCA-2 Non-Rotating Equipment Inspection	03-08-2001
Level II QA LCA-3 Piping Systems Inspection	03-08-2001
<i>High Level Waste Quality Assurance Specific Qualifications</i>	
Canister Accessory Documentation Review	03-08-2001
Canister Process Inspector	03-08-2001
Canister Sampling Technician	03-08-2001
SC/SS Material Documentation Reviewer	03-08-2001
QA Maintenance Work Order Reviewer	03-08-2001
Level II Quality Assurance Mechanical	03-30-2004
Level II QA LCA-2 Non-Rotating Equipment Inspection	03-30-2004
Level II QA LCA-3 Piping Systems Inspection	03-30-2004
Level II Quality Assurance Inspection in Electrical	07-27-2004
LCA-1 Terminations & Splicing Inspection	07-27-2004
LCA-2 Equipment & Component Inspection	07-27-2004
LCA-3 Cable Inspection	07-27-2004

LCA-4 Raceway Inspection	07-27-2004
Level II Quality Assurance Inspector in Mechanical	03-27-2007
LCA-1 Rotating Equipment Inspection	03-27-2007
LCA-2 Non-Rotating Equipment Inspection	03-27-2007
LCA-3 Piping Systems Inspection	03-27-2007
Level II QA Inspector in Instrumentation & Control	03-13-2007
LCA-1 Installation & Gen. Maintenance Inspection	03-13-2007
LCA-2 Calibration & Testing Inspection	03-13-2007
LCA-3 Instrument Lines & Supports Inspection	03-13-2007
Certified ASME B31.3 Examiner	12-09-2008
Certified Quality Assurance Engineer	01-23-2012
Quality Control General Receiving Inspector <i>(Recertified after Program was Re-organized):</i>	03-06-2012
LCA-1 General Receiving Inspection	03-12-2015
LCA-2 Basic Dimensional Measurements	03-12-2015
LCA-3 Fasteners	03-12-2015
LCA-4 Electrical Parts & Components	03-12-2015
LCA-5 Electrical Equipment	03-12-2015

ACTIVITIES

- Behavior Based Safety (BBS) Observer (Safety Observer since 1994)
- Earth Day Volunteer, five years
- Volunteer for United Way fund raising activities
- Participated in CSRA chapter American Records Management Association (ARMA) workshop

COMPUTER SKILLS & DATABASES

Microsoft Word, Puridium, Electronic Document Workflow System (EDWS), Site Tracking, Analysis, and Reporting, (STAR), Filemaker, Passport, Rad-Worker Pro, Control Products List (CPL), Liquid Waste Operations Quality Assurance (LWOQA), Field Material Tracking System (FMTS), PCS Mainframe

SPECIAL TRAINING

- CSRA Chapter of American Records Management Association (ARMA) Workshop
- Fundamentals of Conflict Resolution
- Electronic Document Workflow System (EDWS) Document Review
- Teamwork, The Key to Valuing Diversity
- Training for Records Management Coordinators
- OJT Trainer/Evaluator Training
- RW-0333P - Waste Acceptance Program Overview
- Site Training Annual Instructor Evaluation
- Engineering Standard 15065:Requirements for SRS Pipe Cleaning
- Lean Process Overview
- Transition to ASME NQA-1 2008/2009A

- Assessment Checklist Training
- Commercial Grade Dedication (CGD) Training
- Suspect Counterfeit Items SRS Program Overview
- What a Quality Assurance Engineer Should Know
- Work Planning & Control For Support Personnel
- Nuclear Safety Culture Workers Briefing
- SRR Puridom: Receiving Material
- Suspect / Counterfeit Items Training
- General Receipt Inspection
- General Receipt Inspection - Flange
- General Receipt Inspection - Pipe Coupling
- Receipt Inspection – Motors, Transformers, Circuit
- Engineering Drawings
- Receipt Inspection – Electrical Parts & Components
- Receipt Inspection: Basic Dimensional Measurement
- Work Planning & Control Standard Overview
- Receipt Inspection – Motors, Transformers, Circuit Breakers, General
- ASME B31.3 Process Piping
- Receipt Inspection – Fasteners
- Receipt of Calibration Gas
- QA Orientation ASME NQA-1 Delta Training
- Flange Connection
- ASME B31.3 Piping and Tubing
- Refrigerant Monitoring System
- Quality Assurance Auditor Training
- Suspect/Counterfeit Items Training
- Radiological Worker Training
- Drilling/Penetration Hazards Awareness Briefing
- Processing REA in STAR
- Work Control Inspection Planning
- Piping Systems: Mechanical Inspection LCA #3
- Mechanical LCA2 Non-Rotating Equipment
- High Level Waste Materials Division JHA Training
- Passport Casual User (CMMS)
- Intro to Integrated SAF MGMT SYS (ISMS) for Worker
- Electronic Document Workflow System (EDWS)
- Use Of Engineering Standards at SRS
- Leak Testing – Bubble Leak Testing Level II
- RW-0333P – DWPF Waste Acceptance Program (Rev 4)
- SRS – Specific Requirements for Counterfeit Products
- Intro to Suspect/Counterfeit Products
- QA SAR/TSR Overview
- Mechanical Rotating Equipment
- Anchor Bolt Inspection
- Gaskets, Seals, and Packing
- Fasteners and Locking Devices
- Mechanical Closure Plates
- Screens, Filters and Strainers
- Torque Principles and Methods
- Mechanical Measurement Tools
- Mechanical Drawings
- Mechanical Codes and Standards
- Mechanical Level 1 Quality Verification Inspector Training
- Training for Records Management Coordinators
- Writing & Dispositioning Non Conformance Reports (NCRs)
- Cognizant Quality Function (CQF) Respon. Procurement Doc. Review
- Measurement & Test Equipment (M&TE)
- I & C Level II QC Inspector Training
- Instrument Training
- Measuring & Test Equipment (M&TE) – Measuring Device
- Electrical Level II QC Inspector Training
- Electrical Systems I
- Electric Motors
- Functions and Responsibilities of Inspectors
- Surveillance Training
- Quality Assurance Orientation to the Appendix B Eighteen Criteria