

Eric Stear

Sr Quality Engineer

Denver, CO 80231

stearet@gmail.com

8144499524

Recently relocated to Denver, CO to diversify my work experience. Targeting employment in nuclear, commercial/residential construction, forestry, and other industries.

Authorized to work in the US for any employer

Work Experience

Sr Quality Engineer

Westinghouse Electric Company, Nuclear Fuels, SQO-Hopkins, SC

June 2016 to December 2017

Perform supplier quality oversight for the Nuclear Fuels Division (US Facility located in Hopkins, SC) in accordance with Global & NF QMS. Perform source surveillances, inspections, audits, commercial grade dedications, ect. at midwest supplier facilities. Ensure supplier quality program and product conformance to the purchase agreement, material/technical specifications, drawings and code requirements [10 CFR50

Appendix B, 10 CFR 21, (ASME) NQA-1-2008, ISO 9001 (as applicable)]. Write/revise Supplier Inspection Guidelines [SIG(s)] as to standardize product specific inspection methods, define critical characteristic sampling plans and streamline processes in order to reduce error. Perform Apparent Cause Analysis (ACA),

document findings and provide Independent Reviews (IR) for Corrective Action, Prevention and Learning [CAPAL]. Follow through on findings, or deficiencies to verify proper preventative actions are in place and effective. Document supplier commitment to nuclear safety in accordance with INPO 14-005, Principles for Excellence in Nuclear Supplier Performance.

Quality Assurance Engineer

Crane Nuclear - Fluid Handling

August 2012 to November 2015

Ensure compliance for ASME Section III, safety related, or augmented quality valves and parts from quote review to raw material procurement, through manufacturing, assembly/test and shipment

QA lead for all new plant construction orders in China based on the Westinghouse AP1000 design and aftermarket valve orders for the State Nuclear Power Engineering Co. (SNPEC)

Read, Interpret and define the contract, specification(s) for quality requirements, then verify/approve implementation of proper procedures on shop work instruction to ensure program compliance while identifying potential problems and associated risks

Evaluate vendor documentation for all incoming raw material (castings, forgings, and electrodes), valves,

calibration equipment, NDE materials, etc. for conformance to the PO, specifications and standards such as

ASME/ASTM/AMS.

Perform qualification of unqualified source material and material reconciliations in accordance with NCA-3800

Review, verify and approve plans for validating commercial-grade items for use in nuclear safety related

applications based on required failure mode, component function and materials as defined in Rev. 1 to EPRI

NP-5652 and TR-102260

Qualify new welders to the WPS utilizing ASME Section IX by writing work instruction, evaluating test results and writing PQR's in addition to maintaining the qualified welders list quarterly

Responsible for the water system via sample collection, interpreting the analytic results to maintain compliance and certify results

Create, review and submit ASME NPV-1 & N-2 Forms for ANI approval and stamping of parts/valves

Review dispositions and close out Deficiency Reports (DR/DN) or nonconformance reports for products and materials as part of the material review board (MRB)

Attend daily management meetings/plant walks to review each department's key performance indicators

(KPI), determine if problems exist, establish strategies, and then assign prioritized tasks to the QA team

Quality Assurance Engineer

February 2012 to August 2012

Create advanced quality plans to insure parts meet specification requirements (ASME/ASTM, ANSI, DIN, ISI) based on chemical/physical properties, markings, heat treat, coating requirements, sampling sizes etc.

Develop inspection point plans, assist in coordinating customer inspections with manufacturing

Create quality plans for material upgrades NCA-3855.5 and commercial grade dedications

Assist in customer audits; utilize corrective actions or appropriate measure to resolve any findings

Review all customer initiated CARs, PIRs, or NCRs, analyze and process customer complaints

- Determine root cause using 5 Why, Ishikawa diagrams and Fault Tree methods

- Develop and implement actions to prevent reoccurrences

Review/revise procedures and work instructions

Perform/maintain Jaeger and Ishihara eye examination records for all QC personnel and qualified shop personnel

Nuclear Contract Specialist

Copes-Vulcan - SPX-Flow Technology

November 2008 to February 2012

Review customer purchase orders, design/seismic/material specifications and associated information

Coordinate all information flow between sales, engineering, drafting, quality, ANIs, and production to meet

all contractual obligations and submittals necessary per the terms and conditions set forth in the PO and/or referenced specifications.

Serve as primary contact for customers. Address problems/discrepancies that arise in contracts; provide

alternate solutions to meet the customers' needs through negotiation and mediation when necessary

Delegate work to engineering and drafting departments to maintain material procurement deadlines, manufacturing milestones, scheduled shipment date and conformance to code requirements

Write raw, casting, and forging material requisitions based on customer specifications to meet material/examination requirements per ASME BPVC Section III, 10CFR50 Appendix B, 10CFR21, NQA-1, ANSI B16.34, B31.1, B31.3, B16.5, etc.

Coordinate with purchasing and suppliers for any new components (AOV/MOV accessories) required to meet customer demand

Develop and obtain customer approval of manufacturing and inspection point plans

Participated in 2011 NUPIC and 2010 'NR' audit

Write standard work procedures or addendums for painting, NDE, dimensional inspection, functional, electrical and hydrostatic testing for valves and desuperheaters.

Interface regularly with customer SQRs, expeditors, auditors and vendor representatives.

Responsible for over \$15 million in contracts

Engineering Internship

Plastikos-Erie, PA

May 2008 to August 2008

Updated, develop or create revisions to mold drawings and all internal components and assemblies in SolidWorks based on customer specifications to increase the quality of the product by minimizing the quantity of rejected parts

Performed energy analyses throughout the plant to reduce costs and consumption

- Results - Annual savings of \$23,000

Completed analyses through data collection and mold inspections to reduce cycle time & scrap

Other projects included induction barrel heating research, wind energy analysis, dry ice blasting test trials, increasing recycling

Industrial Engineering Co-op

Robert Bosch LLC - Automotive Division-North Charleston, SC

January 2006 to August 2007

- # Maintained over 60,000 ft² of floor layouts using Micro Station
- # Attended standard work, value stream mapping, production leveling and the Bosch Production System (BPS) training seminars
- # Used MTM-1 analysis to create standard work for industrial operators
- # Developed Kanban cards to reduce overproduction and regulate material produced
- # Evaluated people, material, and information flow through the use of Value Stream Mapping
- # Coordinated and prioritized methods/mechanical work through SAP
- # Performed time studies (over 50) to be used in updating plant time standards
- # Purchased items to improve ergonomic, safety, and material handling items
- # Performed 5S audits to sustain current procedures
- # Implemented standard work for pilot area in the Antilock Brake System area
- # Leveled operator work for three internal material handlers (one hour cycles)
- # Coordinated installation of new assembly machines
- # Created a MTM-1, Method-Time-Measurement, (Zebra) training tutorial
- # Participated in a Lean Line Design for Common Rail Injector
 - Results - Reduced 6 operators to 3, saved 200 ft² floor space (50% reduction), decrease in WIP and NVA processes
- # Completed ergonomic tests relating to NIOSH lifting guideline to reduce associate risk of injury

Education

Certification in Six Sigma Green Belt

Villanova University

2012 to 2012

Industrial Engineering, Industrial Engineering

The Pennsylvania State University

2003 to 2008

Skills

- Apqp
- ISO
- Supplier Quality
- Ppap