

David J Bischof

Experience Summary

Over thirty years of progressive experience at nuclear and fossil power plants, within the US Navy Nuclear Power Program, and at Department of Energy (DOE) facilities. Responsibilities include procedure writer and trainer for facility maintenance (expertise in instrument and controls) and power plant operations; development of closure packages for NRC 95003 inspection; naval nuclear reactor operator; instrument and controls technician; and the supervision of procedure writers, training personnel, maintenance technicians, and power plant operators.

Education

B.S. Economics; Idaho State University, Pocatello, ID
US Navy Nuclear Power School; Orlando, FL and Saratoga Springs, NY

Computer Skills

Experience using a personnel computer with the following software: Word, PowerPoint, Excel, FrameMaker, Information Mapping, Vision, PIMS, CHAMPS, PASSPORT, and SAP.

Technical Writing Experience (15 years)

Responsible for creating and revising programmatic, administrative, operations, and maintenance procedures to the standards established by various electric utilities using NEI AP-907-005, *Procedure Writers' Manual*, standards and the Department of Energy using DOE-STD-1029-92, *Writer's Guide for Technical Procedures*, standards. Maintenance procedures consisted of construction acceptance tests; instrumentation and controls calibration and surveillance procedures; and electrical preventative maintenance procedures. Developed administrative, maintenance, and operations procedures during Decommissioning & Dismantlement (D&D) and Preventative Maintenance Optimization projects. Qualified to prepare and review 10 CFR 50.59/72.48 Screens.

Responsible for developing and implementing maintenance and operations training programs according to Institute of Nuclear Power Operations (INPO) and DOE criteria. Have performed analysis, design, development, implementation, and evaluation phases of the Systematic Approach to Training (SAT) process, to include the requirements of DOE Order 5480.20A, *Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities*. Conducted both classroom and on-the-job training at various nuclear power plants, fossil power plants, and environmental restoration facilities that supported improving human performance. Certified as a Training Instructor by the INPO and the Department of Energy.

Developed closure packages in response to Confirmatory Action Letter issued to Arizona Public Service by the Nuclear Regulatory Commission (NRC) due to Palo Verde Unit 3 being placed in Column IV (Multiple Degraded Cornerstone) of the NRC Action Matrix (95003). Each closure package was reviewed by the NRC as a means to document that the utility performed a thorough evaluation of cited performance problems and if the corrective actions were appropriate to resolve the identified deficiency.

Technical Experience (10 years)

Performed the duties of an Electronics Technician and ANSI 14.2 Instrument and Control Technician at nuclear power plants. Tested, repaired, and calibrated analog, digital, and pneumatic instrumentation, to include: protection systems, process instrumentation, and radiation detection equipment. Besides routine preventative and corrective maintenance, have performed pre-op testing during construction, startup, and outage conditions.

Operated four US Navy nuclear power plants of different designs in accordance with controlling procedures as a Reactor Operator. Monitored plant systems and performed the necessary adjustments to ensure proper operation. Monitored operating trends and when necessary, performed the required corrective action(s) to maintain plant control. Assigned duties consisted of operating auxiliary plant equipment, switching of electrical load centers, and tagging out equipment for maintenance.

Conducted evaluations, audits, and surveillances of contractor operations at the Idaho National Engineering Laboratory. Advised project managers if their programs were in compliance with quality assurance requirements mandated by DOE Order 5480.19, *Conduct of Operations Requirements for DOE Facilities*, ASME NQA-1, *Quality Assurance Requirements for Nuclear Facility Applications*, and applicable codes and standards. Facility assessments detected programmatic deficiencies and confirmed that sound engineering principles were being implemented.

Leadership Experience (8 years)

Directing procedure development effort and the implementation of a Centralized Procedure Group of a nuclear power plant undergoing D&D. Responsible for managing personnel resources, establishing work priorities, and tracking deliverable products against due dates. Performing evaluations for Independent Safety Reviews (replacement for the Procedure Oversight Review Committee). Secretary for Plant Safety Review Committee, Executive Oversight Board, Citizens Advisory Board, and Radwaste Summits attended by senior corporate management. Participating in root cause analysis to determine common threads of recent decommissioning events. (Root Cause Analysis course work completed at the Monticello Nuclear Power Plant.)

Administered three nuclear training programs while supervising up to six management and contracted personnel. Duties consisted of developing and implementing training schedules, maintaining auditable records, developing status reports, and conducting assessments. Additional responsibilities included promoting a safe work environment and effectively managing both workload and deliverable products.

Supervised nine technicians performing preventive and corrective maintenance of nuclear power plant equipment. Responsible for managing personnel resources, establishing work priorities, performing quality inspections, monitoring worker performance, and resolving personnel conflict. Responsible for providing individual training to ensure technicians were proficient in their craft.

Provided oversight for the safe and efficient operation of US Navy nuclear reactors. Controlled and coordinated reactor plant evolutions with emphasis placed on safety and the adherence to established regulatory and performance standards. Analyzed complex plant evolutions to ensure proper facility operation and error-free performance occurred.

Work History

- 03/10 to Present
NEC Technical
Services
- Lead Procedure Writer, Humboldt Bay Power Plant
- Supervising four procedure writers with day-to-day oversight of resources, work priorities, and tracking of products against required deliverable dates.
 - Providing oversight for the implementation of the newly created site's Centralized Procedure Group.
 - Creating, and revising administrative, operations, and maintenance procedures for the D&D of a first-generation nuclear plant.
 - Creating and revising site procedures for the implementation of plant modifications. Reviewing and providing input to site design changes.
 - Documents are being developing to current industry standards for decommissioning the facility in a manner to support industrial safety and radiological controls. Any identified deficiencies are being resolved using the Corrective Action Program.
- 01/09 to 03/10
EG&G
Technical
Services
- Senior Procedure Writer, Los Alamos National Laboratory
- Updated operations procedures to address Formality of Operations issues at the Plutonium Process and Waste Processing Facilities.
 - Procedure implementation is in accordance ISD315-2, *Sustaining Formality of Operations Implementation*.
- 02/08 to 11/08
Marathon
Consulting
- Senior Technical Writer, Palo Verde Nuclear Generating Station
- Developed programmatic procedures, closure packages, and training materials to address operations, engineering, and maintenance performance issues associated with NRC 95003 Inspection.
 - Documents were developed utilizing a graded approach to address the NRC Column IV Confirmatory Action Letter (CAL) findings.
- 04/07 to 12/07
TRIVIS Inc
- Senior Procedure Writer, Prairie Island Nuclear Generating Station
- Developed operations and maintenance procedures during PMO Project using Indus Passport to initiate preventive maintenance and procedure change request.
 - Consulted with Subject Mater Experts and System Engineers to develop and revise procedures to the utility's writer guide.
- 08/01 to 03/07
Foundation
Systems
- Senior Instrumentation and Controls Trainer, Diablo Canyon Nuclear Plant
- Developed, implemented, and evaluated Instrument and Controls Training Program for journeymen and apprentice personnel.
 - Supervised craft personnel when assigned to training to include modeling line management expectations and site safety standards.
- 05/93 - 05/01
12/91 - 04/93
05/85 - 04/91
04/84 - 05/85
06/77 - 04/84
- Procedure Writer and Trainer, Various DOE and Nuclear Facilities
- Quality Assurance Engineer, DOE Idaho Field Office
- Procedure Writer and Trainer, Various DOE and Nuclear Facilities
- Instrumentation and Control Technician, Various Nuclear Facilities
- Reactor Operator/Work Center Supervisor, US Navy Nuclear Program