

LONGENECKER and ASSOCIATES

Roy H. Headrick

EXPERIENCE SUMMARY

Broad experience in Nuclear Plant Operations, Nuclear Lead Auditor, Project Management, & Fossil Plant Operations. Ability to accept responsibility, make decisions, establish priorities, and solve problems. Ability to quickly assess, analyze, and prioritize issues, document, and formulate appropriate responses.

DETAILED EXPERIENCE

October 2002 – Present

TVA's Bicentennial Volunteers Incorporated (BVI) /National Emergency Assistance (NEA) – Contract Services with FEMA.

January 14, 2006 – Present

QA/QC – 406 Hazard Mitigation

Perform duties of Lead Mitigation Technical Specialist which include, but not limited to:

- Review all Mitigation Proposals to determine eligibility, cost effectiveness, and technically feasible.
- Review all project worksheets to determine if a mitigation opportunity has been missed by the preparer.
- Prepare the final Benefit Cost Analysis for mitigation proposals and enter the results in FEMA's central database (NEMIS).

October 2002 thru December 2005 FEMA Project Officer

Project Officer Job Duties:

Responsible for working with the applicants to develop the scope of work, determine eligible funding, and cost estimates for a project and preparation of final documentation. *Project Worksheets (PW)*. (The *(PW)* is the primary form used to document the applicant damages and includes the location, damage description and dimensions, scope of work, and cost estimates.) (44CFR part 206)

September 9 – December 16, 2005

Disaster No. - FEMA-1603-DR-LA (Hurricane Katrina) & FEMA-1607-LA (Hurricane Rita – Baton Rouge, La.)

February 8 – July 16, 2005

Disaster No. - FEMA-1580-DR-OH Columbus, Ohio. - Severe Winter Storms, Flooding and Mudslides

Completed 18 Projects Worksheet for 7 different applicants (Electric Cooperatives). Total amount of PWs \$7,392,926

September 26 - December 19, 2004

Disaster No. - FEMA-1545-DR-GA (Hurricane Ivan) & FEMA-1560-DR-GA (Hurricane Frances)
Completed 27 project worksheets for 5 electric cooperatives and 2 Georgia Counties. Total amount of PWs \$801,781

October 13 - December 21, 2002

Disaster No. - FEMA-1435-DR-LA (Tropical Storm Isidore) and FEMA-1437-DR-LA (Hurricane Lili)

Completed Public Assistance Training, i.e., Operations I & II

Completed 4 project worksheets for 3 applicants Total amount of PWs <\$30,000

October 12, 1999 - January 27, 2000

Bicentennial Volunteers Incorporated (BVI) – Tennessee Valley Authority Contract

Project Manager – Manager in charge of installation, testing, and support of “System Operations Management System” (SOMS) software at 11 fossil plants.

May 4, 1970 - Oct 1, 1999

Tennessee Valley Authority

October 1, 1999 Retired from TVA with 29 years 5 months service – Management Scale PG-8

November 1997- October 1, 1999

Project Manager – Manager in charge of installation, testing, and support of System Operations Management System (SOMS) software at 11 fossil plants.

June 22-28, 1997

Maine Yankee Nuclear Plant Nuclear

Operations Technical Specialist - Nuclear Oversight Audit No. MY-97-01, “Plant Operations & Technical Specifications”

July 13-23, 1997

Millstone Nuclear Plant Nuclear

Operations Technical Specialist -Nuclear Oversight Audit No. M3-97-A07-03, “Plant Operations & Technical Specifications”

November 15, 1996-February 14, 1997

Electrical Technical Specialist -Transmission Operations Maintenance (TVA) Assessment included the review of relay setting sheets; SQN single-line and three-line drawings, control drawings, and SQN Power System Dispatcher Diagram to determine if all applicable equipment related to the SQN switchyard were correctly depicted on engineering documents and tracked correctly for maintenance schedules.

March 20, 1994-November 14, 1997

Electrical Maintenance Specialist - Transmission Power Supply (TVA) - Assessment of 28 hydro and four fossil plant switchyards to identify the physical conditions, maintenance programs, work performance status, and required improvements. Results identified orally and in technical reports to TPS and Hydro management. Other activities included update of maintenance manuals, bushings and transformer inventories, review of failure reports and incorporation of the data into computerized databases.

February 1997- October 1997 (part-time)

Electrical Technical Specialist – Electrical Power Research Institute (EPRI) – Project - Power Transformer Failures Collected and analyzed the gas-in-oil data of TVA’s Power transformers to determine the relationship (pattern), if any, between the amount gas-in-oil in the Load Tap

Changer and the failure of the transformer

February 6-13, 1995

Plant Operations Specialist - Transmission Power Supply (TVA) - Operations Electrical Specialist in assessment of Watts Bar Nuclear Plant switchyard to identify the physical condition, maintenance programs, work performance status, and required improvements to meet Nuclear Regulatory Commission standards.

December 15, 1994-March 10, 1995

Electrical Maintenance Specialist -Technology Advancements (TVA) - Data collection and the identification of all major battery banks at TVA, ranked according to importance (size, cost, criticality). Data was used to determine the cost and subsequent purchase of remote battery condition monitors.

1988 – 1994

Senior Lead Technical Auditor- Nuclear Operations – Nuclear Audits and Evaluation (Corporate) - Planned, conducted, and documented results of internal audits in the areas of plant operations, maintenance, Appendix R - fire protection, radiological emergency plan, safety system functional inspections, integrated design inspections, computer software, and reviews of engineered deliverables. The position demands a thorough working knowledge of plant operations, regulatory programs, engineering design analyses, modification packages, maintenance, and testing.

1979-1988

Operations Assistant Shift Manager - Nuclear Operations - Senior Reactor Operator Cold License Certification Responsible for the development of safety related Operations procedures. Responsible for plant operations and implementation of TVA's clearance procedure, ensuring plant and switchyard equipment was properly removed from service and isolated prior to maintenance activities. Supervised Unit Operators, Assistant Unit Operators, and Auxiliary Operators. Coordinated operations activities with maintenance organizations. Provided technical directions to engineers, associates and craftsmen in the operations and testing of mechanical and electrical systems.

1970-1979

Fossil Plant Unit Operator - Fossil Plant Operations Monitored the operation of plant systems and components associated with high temperature, high-pressure boilers, and turbo-generators. Supervised Assistant Unit Operators and Auxiliary Operators and provided technical directions to engineers, associates and craftsmen in the operations and testing of mechanical and electrical systems.

EDUCATION

- Associate In Science Degree, Business Administration Northeast State, Rainsville, Ala
- Nuclear Plant Operations - Pressurized Water Reactor License Program
- Chattanooga State, Chattanooga, Tenn. /POTC, Soddy Daisy, Tenn. , Nuclear Training Course - Thermodynamics, Math, Chemistry, Physics, and Nuclear Theory
- Electrical Distribution System Electrical Control Board Operator - Examination No. 666-18
- Fossil & Nuclear Plant Switchyard Electrical Systems - Steps I, II, and III
- Nuclear Power Plant Experience and Participation Training (Pre-license requirement)
- Nuclear Plant Technology Course - Primary & Secondary Systems and Electrical Systems

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- Fossil Plant Operations - Student Generating Plant Operators Steps I through IV, Kingston, Colbert and Widows Creek Fossil Plants
 - ISO 9000 Lead Assessor Certification (Certification No. L-6827)
 - Senior Lead Auditor Certification
 - FEMA'S Operations I
 - FEMA'S Operations II

 - CHATTANOOGA STATE COLLEGE - Chattanooga, Tenn. / Soddy Daisy, TN:
NOTE: Chattanooga State courses required as part of the Nuclear Operations Training Program – Program required a minimum grade average of 80%.
 - April 1979 - Completed 200 hrs of college level courses in Math, Physics, and Health Physics. Chattanooga State,
 - September 1979 - Completed 480 hrs basic Nuclear Course which included
 - 96 hrs - Mathematics
 - 40 hrs - Chemistry
 - 40 hrs - Physics
 - 80 hrs - Health Physics
 - 224 hrs- Basic Nuclear Theory
 - May 1985 - Completed 80-hour course in Thermodynamic and associated math problems - Average grade- 93%.