

Hector M. De Souza

EXPERIENCE SUMMARY

- Electrical Engineer
- Electrical Maintenance Specialist, Planning and Scheduling
- Maintenance Manager and Craft Supervisor
- Start-Up and Test Procedure Development and Approval
- Post Maintenance and Modifications Test Coordinator
- Environmental Qualification Coordinator
- Maintenance Support Specialist
- Steam Generator Replacement Area Manager

DETAILED EXPERIENCE

Longenecker & Associates, Inc.

- Senior Project Manager (12/08-Present) Providing support to the American Centrifuge Plant Project in support of Fluor Enterprises

Tennessee Valley Authority

- Modifications Task Manager (2/08 – 3/08)
 - Coordinate Emergency Penetration Closure Team
 - Review and Evaluate Problem Evaluation Reports (PERS)
 - Investigate and Analyze material inspections, human performance and multiple aspects for Root Cause Analysis
- Steam Generator Replacement Area Manager (2/07, 4/06 – 12/06)
Responsibilities:
 - Research Specialist responsible for performance review of Instrumentation contractor's work performance
 - Area Manager responsible for review of Work Packages, Quality Documents, Human Performance Reports, Non Conformance Reports and Human Performance Condition Reports, including verification of procedural requirements as well as apparent and root causes of outage issues
- Maintenance Support Specialist (2/05 - 4/05), (9/02 - 11/03)
Responsibilities:
 - Work Order Review and Closure Coordinator ensuring accurate documentation prior to closure
 - Problem Evaluation Report Coordinator responsible for investigation, root cause analysis and documentation of conditions adverse to quality
 - Turbine Maintenance Coordinator during U1C5 refueling outage

- Environmental Qualification Coordinator (4/02 - 8/02)
Responsibilities:
 - Responsible for the Maintenance and Modifications Department 10CFR50.49 duties
- Senior Technical Specialist Maintenance Engineering (5/94 - 1/02)
Responsibilities:
 - Maintenance programs and procedures development and upgrade
 - Post Maintenance Test Coordinator
 - Incident Investigations
 - Development and Administration of Repeat Maintenance Program
- Manager Start-up and Test (1/89 - 5/94)
Responsibilities:
 - Review and approval of Start-up Test procedures
 - Coordination, scheduling and performance of Post Modification Testing
- Maintenance Superintendent (3/87 - 1/89)
Responsibilities:
 - Directed maintenance activities and programs including Corrective and Preventive Maintenance and Testing activities
- Electrical Maintenance Manager (4/85 - 3/87)
Responsibilities:
 - Responsible for all aspects of the maintenance program on plant equipment
- Maintenance Engineering Unit/Section Supervisor (12/79 - 4/85)
Responsibilities: (Nuclear and Corporate)
 - Direct engineering staff in review and development of procedures on large complex electrical equipment
 - Direct onsite maintenance of major turbine generator equipment and support systems including, breakers, switches and transformers
- Electrical Maintenance Specialist (6/79 - 12/79)
Responsibilities:
 - Perform planning and scheduling of shop and field maintenance equipment for substation, hydroelectric, and fossil power plant electrical equipment
 - Direct activities of 100+ craft personnel
- Electrical Engineer, TVA Corporate Offices (6/74 - 6/79)
Responsibilities:
 - Serve as lead field engineer for the maintenance of major electrical equipment, including troubleshooting and repair of equipment

- Performed field acceptance testing of generating station electrical auxiliary power systems
- Provide maintenance support in preparation of preventive maintenance instructions
- Electrical Engineer, TVA Fossil Power Group (6/73 - 6/79)
Responsibilities:
 - Provide maintenance support in preparation of preventative maintenance instructions
 - Perform troubleshooting and repair of electrical and electronic plant and support equipment
- March, 2008 – Present Retired
- February, 2008 – March, 2008 RRC
- March, 2007 – February, 2008 Retired
- February, 2007 – February, 2007 Stone & Webster
- April, 2006 – December, 2006 RRC
- April, 2005 – April, 2006 Retired
- February, 2005 – March, 2005 RRC
- December, 2003 – February, 2005 Retired
- September, 2002 – November, 2003 RRC
- April 2002 – August, 2002 RRC
- June 1973 – January, 2002 Tennessee Valley Authority

EDUCATION

Bachelor of Science, Electrical Engineering, University of South Florida