

EDWARD P. MADISON

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MECHANICAL MAINTENANCE SUPERVISOR

*Sr. Refuel Outage Supervisor / Valve Replacement/Refurbishment / Preventive Maintenance
SOP Procedure Writing / Federal, State & National Code Compliance*

20+ years experience in the maintenance and repair of a diversified field of nuclear power plant mechanical equipment. Track record of excellence in maintaining plant reliability and monitoring, including recommending and implementing preventive maintenance optimization programs. Expertise in instituting various types of preventive maintenance programs, safety related, and balance of plant (BOP) systems. Collaborate with on-line and outage planning and scheduling groups, LLRT, ISI groups, ALARA and radiation protection personnel, and maintenance personnel, during reactor disassembly, reassembly, and all aspects of day-to-day and refueling plant activities.

Operations and Management Strengths:

- Project/Work Prioritization & Coordination
 - Crew Assignment, Direction & Oversight
 - Overhaul of MSIV, Feedwater Regulating Valves, and all styles of Check Valves
 - Valve Subject Matter Expert
 - Overhaul of Pumps & Piping Systems
 - Budget Administration / Management
 - Internal Systems and Controls
 - Operations Analysis / Process Redesign
 - Air Handling, Ventilation, & HVAC Systems
 - Troubleshooting & Problem Solving
 - Team Building and Leadership
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PROFESSIONAL EXPERIENCE

ADAMS END NUCLEAR POWER PLANT – Kingston, New York

Mechanical Maintenance Supervisor (1994 to Present)

Provide first line supervision in the coordination and management of multiple priorities performed by a multi-disciplined staff including union members and contractors.

Communicate technical information, concepts, and ideas, verbally and in writing. Ensure assigned tasks are performed as safely and efficiently as possible. Communicate with all levels of the organization including representing the Mechanical Maintenance department at meetings. Collaborate with operations departments as required. Assist in budget development and work within budget constraints.

Selected Contributions:

- ◆ **Maintain involvement in many facets of plant refuel outages**, working closely during reactor disassembly and reassembly with outage planning and scheduling groups, LLRT and ISI groups, ALARA and Radiation Protection personnel, and maintenance personnel.
- ◆ **Propose time saving tooling and work methods. Resolve employee conflict or concerns. Interface with other Entergy sites** to maximize resource sharing for Mechanical Maintenance. Participate in the **shared resources program**.
- ◆ **Interface with regulatory and industry representatives.** Ensure all Mechanical Maintenance activities are performed within regulatory and procedural guidelines.
- ◆ Serve as **subject matter expert regarding valve replacement and refurbishment**, supervising many valve refurbishment programs including the overhaul of MSIV, Feedwater Regulating Valves, and all styles of Check Valves.
- ◆ Serve as a member of the **Emergency Response Organization**.

BLACK & HEAVEN ENGINEERING NUCLEAR SERVICES – Portsmouth, ME

Engineering Technician (1990 to 2002)

Specialized in nuclear valve refurbishment services consulting.

Involved in the development of a Cobalt Reduction Program for C-E NSSS plants. Performed various tasks in the development of EPRI Pressurizer and Main Steam Safety Valve Maintenance Guide

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Selected Contributions:

- ◆ Consulted to the **Minnesota Power & Light** Minneapolis Check Valve Inspection Program.
- ◆ Consulted to the **Central Wisconsin Nuclear Plant during 1990 refuel outage** for LLRT Valve Program.
- ◆ Performed **penetrant testing on charging pump plungers and blocks** at various points during the manufacturing process.
- ◆ Involved in the introduction, development, and use of **Air Operated Valve Diagnostic Equipment (AirCEt)**

SEATTLE VALVE CORPORATION – Seattle, WA

Nuclear Field Services, Senior Outage Supervisor (1990 to 2002)

Supervised and provided technical support for 20 valve technicians performing various refurbishment activities for all types of valves at several nuclear power plants, including LandsEnd 1, 2, and 3, Millere, and California North Nuclear Stations.

Major valve projects included the refurbishment of 20" Crane Co. Y-Pattern globe valves, 36" Atwood Morrell, MSIV's, Copes Vulcan and Anchor Darling, Feedwater Regulating Valves, Tilting Disk check valves, and an extensive list of other types of valves. Worked with NYPA Planning Department and QA/QC Department in procurement of specific parts, including stems, pressure seal rings, valve wedge refurbishment, weld repair of valve body, etc., on safety related valves.

Selected Contributions:

- ◆ Assisted in **preventative maintenance and outage planning, name plate data gathering, spare parts stocking and configuration control efforts** for Northwest Utilities, Millere Stations.
- ◆ Performed **valve maintenance consulting services** at the LandsEnd and CalNorth nuclear Stations.
- ◆ Handled the **Planned Maintenance Program** at CalNorth and LandsEnd Nuclear Stations.
- ◆ Assigned to CAWA/Radiation Departments to **pre-plan jobs requiring special preparation due to high dose/contamination levels.**
- ◆ Provided **valve consultation** at Millere for five outages.

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Additional experience as a Mechanic/Shop Foreman rebuilding and maintaining gas and diesel engines, and as a Technical Writer.

EDUCATION AND CREDENTIALS

Certified Level II Liquid Penetrant Inspector • AirCEt Air Operated Valve Diagnostic System Technician
Atlantic Valve Certified Quality Inspector • Arnold Green Labs, Level II Liquid Penetrant Training
ABB/CE – Introduction to PC • ABB/CE – Pressurized Water Reactor Systems Training
Anchor-Darling Valve Company – Gate, Globe, Check Valve Refurbishment Training
Valltek Valve Corp. Control Valve Engineering and Maintenance Course
ABB/CE – Boiling Water Reactor Systems Training