

BRENT A. MOELLER

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SUMMARY OF PROFESSIONAL EXPERIENCE

MISSOURI RIVER ENERGY SERVICES, SIOUX FALLS, SD

Director/Manager, Generation Resources, February 2008 to Present

- Manage or oversee two peaking power plants (185 MW combined generation), one hydropower plant (43 MW), two wind turbine sites (24 MW combined generation), and a solar project (10 MW PV and 5 MW battery) and staff that include fourteen full time personnel. Responsibilities include: operational, maintenance and capital additions budgets, oversee the development of operational and maintenance procedures, ensure applicable industrial code and standards are followed, and industrial safety and OSHA standards are followed.
- MRES' representative in joint ownership oversight committees for the operational and maintenance of existing coal fired power plant.
- Assess existing and new power generating facilities for possible acquisition or construction to meet the future generation needs of MRES. Develop and project manage new power generation facilities.

RUHRPUMPEN, INC, TULSA, OK

Senior Pump Specialist, June 2002 to January 2008

- Develop quotation packages in the support of Salespersons for vertical pumps. Responsibilities include reviewing customer specifications and requirements, pump selection, and review the application for the specific pump design.
- Provide engineering support to the Ruhrpumpen Tulsa facility. Confirm and develop pump designs through established engineering practices and/or computer programs (frequency analysis and finite element analysis).
- Updated Ruhrpumpen's welding program and generate ASME Section IX welding procedures when needed.
- Perform field services/repairs on problem vertical pumps.

Product Manager of Power Products, February 2001 to June 2002

- Developed a fractured product line acquired during sale of facility to Ruhrpumpen of low head high flow circulating pumps. Development included the establishment of standardization of pump configurations, cost reducing design features, and the development of application selection material.
- Overviewed the design of pump components, the development of machine drawings and part numbers (purchase and material requirements).
- Developed quotation packages of pumps used in the Power Industry.
- Project managed several orders as described below (Tulsa facility sold to Ruhrpumpen 1 Jan 2001).

FLOWSERVE CORP, TULSA, OK

Project Manager, November 1996 to February 2001

- Direct supervision of processor/draftsman employees. Responsibilities include performance reviews, scheduling work, and addressing employee's personal needs.
- Review specifications and interface with clients to develop an API 610 engineered vertical pump and/or submersible pump suitable for the applications. Review includes verifying pump's design is within pre-designed envelope or overview the design development by a design engineer, and ensuring the production of a quality product with the lowest possible cost.
- Overview the development of pump submittal and fabrication drawings, and the development of an inclusive bill of material to communicate all requirements and controls to production.
- Monitoring major component purchases and production of the pumps to ensure compliance with

- requirements, and status the client of the progression of the order.
- Interface with clients and inspectors to schedule testing and inspections throughout production.
- Review project's estimates, expected and actual costs to project and/or verify profit margins.

JOHN PICKLE COMPANY, TULSA, OK

Project Manager, January 1995 to November 1996

- Designed ASME Section VIII pressure vessels and structures to code and client specifications.
- Oversee the generation of vessel submittal and fabrication drawings to client specifications.
- Project managed the fabrication of the pressure vessels which included interface with clients and inspectors to confirm schedule and compliant to specifications.

NEBRASKA ENERGY, COOPER NUCLEAR STATION, BROWNVILLE, NE

Senior Maintenance Technical Engineer, January 1990 to September 1994

- Performed the duties of the Maintenance Department Coordinator (direct supervision of more than fifty maintenance personnel) during refueling and other forced plant shutdown.
- Reviewed and evaluated other nuclear stations' programs and procedures as a peer evaluator in association with the Institute of Nuclear Power Operations and Quality Assurance activities.
- Collected technical information, developed presentations, and conducted presentations to various management and regulatory agencies.
- Project managed 10 personnel to upgrade approximately 300 procedures and 6,000 preventive maintenance tasks. Developed criteria to which the instructions were revised, and interfaced with different departments to obtain acceptance of the criteria. Initial resource estimate was 8 man-years.
- Provided technical input for the craft labor in the maintenance and repair of mechanical equipment and systems. This included specifying rigging instructions, welding procedures, nondestructive examinations, and startup/acceptance tests.

Plant Mechanical System Engineer, January 1983 to January 1990

- Evaluated various equipment failures and administrative program breakdowns to determine the root cause and implement corrective actions to prevent recurrence.
- Generated and reviewed plant design and design change packages for building structures, mechanical equipment and systems. Design packages included budgeting, engineering design, field routing instructions, specifying the installation and acceptance testing procedures, and generating necessary procedure and drawing changes.
- Worked with ASME Section II, III, V, IX, XI, and ANSI B31.1 codes in the development of design packages and procurement documents, and in industrial application.
- Reviewed pipe stress analysis and pipe hanger/supports loading in the support of maintenance, effects of temporary loads, and other operational support functions.
- Monitored mechanical equipment performance and trend data to verify operational acceptance and schedule equipment for maintenance and/or servicing.

Shift Technical Advisor, February 1984 to July 1994

- The Shift Technical Advisor supplements on-shift technical expertise during plant upset conditions. Certification for this position required successful completion of detailed initial and requalification training on systems design and integrated plant response to normal and off-normal conditions. Performed per assigned rotating schedule on a 24-hour duty day basis.

PROFESSIONAL LICENSE, EDUCATION

PROFESSIONAL ENGINEER LICENSE: State of South Dakota, State of Oklahoma, and State of Nebraska (retired all licenses).

EDUCATION: Kansas State University - Mechanical Engineer, B.S., December 1982.