

Joel Kohler, PMP

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Visit www.joelkohler.com

Resume Objective

A senior level position with a utility, architect engineer, or nuclear steam supply system vendor involved in new US nuclear power development.

Qualifications Summary

Demonstrated technical qualifications in nuclear engineering, nuclear safety, nuclear materials and nuclear waste. My core competency, comprehensive knowledge, and excellent communications and interpersonal skills would make me a superior asset to corporations involved with the renaissance of nuclear power in the United States.

Thirty-year career in the nuclear industry, with an undergraduate degree in mathematics and masters degrees in nuclear engineering and finance. Held positions of responsibility and authority with the US Atomic Energy Commission (AEC), the US Nuclear Regulatory Commission (NRC), the US Department of Energy (DOE), and in commercial industry.

Comprehensive Nuclear Energy Expertise

Broad experience in nuclear engineering, nuclear safety, plus nuclear material and nuclear waste.

Nuclear Engineering Qualifications

- Established technical credentials as a nuclear engineer with the NRC, proving the ability to apply nuclear theories, principles, and practices.
- Conducted nuclear reactor inspections for eight years. Held responsible positions as a nuclear engineering technical specialist, a BWR and PWR nuclear reactor inspector, and ultimately as a GS-14 senior resident inspector (at the 2,000 megawatt electrical Zion PWR Nuclear Power Station). Received NRC inspection certification on the four loop Westinghouse NSSS, a processor of the planned AP1000 design.
- Gained the trust and respect of NRC management, while serving as a NRC nuclear reactor inspector in a pressure-packed work environment. Served as a regional representative with the authority to independently assess whether the reactor conditions threatened the health and safety of the general public.
- Earned a hard fought-reputation with licensees as being a technically-qualified nuclear engineer, and one who was open minded, fair, and impartial. Demonstrated excellent interpersonal skills under pressure, while also exhibiting performance and poise.

Nuclear Safety Qualifications

- Established technical credentials as a nuclear safety analyst with the AEC. Demonstrated analytical capability in the evaluation and interpretation of complex technical subject matter. Vast experience in comprehensive written and oral decision-making.
- Participated as a team member, along with the NRC project manager, reactor engineers, and health physicists.
- Evaluated the suitability of sites for proposed nuclear generating stations. Was the site analyst in charge of developing the Site Safety Evaluation Reports (SSER) for the Seabrook and Newbold Island licensing hearings.
- For AEC, analyzed design basis accident accidents for Seabrook, and Hope Creek nuclear sites.

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Nuclear Material and Nuclear Waste Qualifications

Involved in the planning and execution of complex closure projects in DOE facilities at Rocky Flats and Los Alamos. These projects provide the basis for my applied knowledge and understanding of nuclear material, nuclear waste, and health physics. Established credentials as a team player and leader with the DOE. My proven performance in these complex closure projects should give the ASLBP confidence that I am a team player with the maturity and depth to carry out the board's mission.

Rocky Flats Environmental Test Site

- Appointed in 2000 to lead the Raschig Ring Tank Disposition Project. Responsible for developing the plan, and leading the team, that emptied 70 high-concentration fissile tanks containing more than 100,000 gallons of Rashig Rings. Without these neutron-absorbing rings, the fissile solutions would go critical and the tanks would explode.
- Selected the crew from the available plant operators. Helped write the planning script documenting every move required, every piece of equipment needed, and every risk expected. Received management approval for the plan.
- Helped manage tight schedules. Satisfied top management, which was watching this job closely because it was on the critical path, and could adversely affect the contractor's performance and fee.
- Worked with a local inventor to develop a vacuum cleaning system that was able to empty a tank and package the contents in about five hours.

Los Alamos National Laboratory

- Brought in to assist with the Confinement Vessel Disposition Project, which was started in 2000 to dispose of nine internally-contaminated steel confinement vessels and their radioactive contents. After two years of planning, the DOE determined the safety analysis report was inadequate and shut down the project.
- Retained in 2005 as the Senior Project Engineer. Responsible for re-engineering and restarting the Confinement Vessel Disposition Project in accordance with a new safety analysis.
- Redesigned the cradle-to-grave process flow for a contaminated vessel so that regulatory concerns about the seismic analysis were answered.
- Developed the preliminary design documents, and demonstrated that the new design complied with the requirements of the safety analysis. Defended the design to Los Alamos management, and prepared the design documents for re-submittal to the DOE.

Nuclear Industry Publications

Los Alamos National Laboratory Unrestricted Release Published Documents:

- LAUR 06-3691, "Bolas Grande Project Options and Alternatives Evaluation Comparison of Potential Facility/Receiver Sites against Programmatic and Project Requirements."
- LAUR 06-6149, "Confinement Vessel Disposition August 2006, Power Point Management Update."
- LAUR 06-2388, "Legacy of Bolas Grande Spheres at Los Alamos National Laboratory."
- LAUR 06-4050, "Confinement Vessel Disposition in CMR, 2006 Project Design Report CD 1."

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Commercial Nuclear Industry Publications

Joel Kohler, "Fast Tracking or Back Tracking?" *ChiefProjectOfficer.com* (June 2005).

Pat Fisher, Joel Kohler, "Technical Aspects and Benefits of Small Scale Hydrolasing Compared to Conventional Decontamination Methods," *American Nuclear Society* (August 2005).

Education, Certifications, and Clearances

- Northwestern University, M.B.A. Finance.
- New York University, M.E. Nuclear Engineering.
- Temple University, B.A. Mathematics.
- Project Management Institute, PMP Certification as Project Management Professional.
- Member of the American Nuclear Society.
- Inactive DOE Q clearance, issued in October 2006 for work at Los Alamos National Laboratory.

Employment History

2007-Present **Area Project Engineer**, Firebag Cogeneration Project, Suncor Energy, Alberta, Canada.

2005-2007 **Senior Project Engineer, Confinement Vessel Disposition Project**,
Los Alamos National Laboratory, Los Alamos NM.

2002-2005 **Design Manager, Configuration Manager, Planning and Integration Manager**,
Washington Group International, Inc., Denver CO.

2001-2002 **Project Engineer**, Los Alamos National Laboratory, CMR Facility, Los Alamos NM.

1995-2001 **Lead Project Engineer**, Rocky Flats Environmental Test Site, Golden CO.

1991-1995 **Management Analyst**, A.T. Kearney, Atlanta GA.

1991-1994 **Principal**, RCG Hagler Bailly, Inc., Boulder, CO.

1984-1991 **Finance Manager**, Capital Associates, Inc., Boulder, CO.

1982-1984 **Financial Analyst**, Allied Signal/Universal Oil Products, Chicago, IL.

1972-1982 **Senior Resident Nuclear Reactor Inspector**, U.S. Nuclear Regulatory Commission,
Bethesda, MD.