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# LONGENECKER and ASSOCIATES

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## William H. Rasin

### EXPERIENCE SUMMARY

Senior Consultant with highly diversified experience in the Nuclear Industry including economics, operations, maintenance, training, research, engineering, licensing, quality assurance, government/regulatory affairs and policymaking. Well known for leadership and team building skills as well as technical competence and professional integrity. Demonstrated ability to communicate with a wide variety of audiences.

### DETAILED EXPERIENCE

#### Management Consulting

1996-Present

Provide management consulting services to selected clients.

- Serving as Chairman of the GenIV International Forum Economic Modeling Working Group.
- Served as Co-chairmen of the Evaluation Methodology Group for the Department of Energy's Generation IV Nuclear Energy Project.
- Represented the U.S. as Chairman of the IAEA Consultancy on Nuclear Institutional Infrastructure.
- Authored **Milestones in the Development of a National Infrastructure for Nuclear Power**, IAEA Nuclear Energy Series, No. NG-G-3.1.
- Represented the U.S. as Chairman of the IAEA Consultancy on Assessment Criteria for Nuclear Power Infrastructure.
- Served as U.S. Industry representative for the International Atomic Energy Agency management assessment of Kozoloduy Nuclear Plant in Bulgaria.
- Served as Deputy Project Director, Technical Baseline, for the Hanford Spent Nuclear Fuel Project while reorganizing the engineering function, resolving major technical issues and reducing capital cost.
- Led a multi-discipline, multi-national group of experts to review the design bases for the spent nuclear fuel environmental restoration activities at the Hanford site.
- Provided organizational and quality assurance oversight for the Hanford contractor.
- Provided senior independent review of nuclear vendor design basis reconstitution projects.

#### Duke Engineering & Services, Inc.

1998-2000

**Vice President**, Nuclear, Fuels, and Quality Assurance Services

- Integrated the previous Yankee Atomic Nuclear Services Division into a Duke Engineering and Services business unit.
- Restored the confidence of the Nuclear Regulatory Commission and the New England clients in the organization's capabilities to do safety related work.
- Provided licensing, safety and quality assurance services to the New England nuclear plants.
- Participated in management and quality assurance audits for commercial nuclear plants.
- Introduced business and project management processes to bring the organization into the competitive world.
- Achieved profitable status within one year and second highest company profit margin during the second year of operation.

#### Nuclear Energy Institute, Washington, DC

1994-1996

**Senior Vice President**, Technical/Regulatory Division

Directed the resources of the Nuclear Industry in resolving generic technical/regulatory issues with the Nuclear Regulatory Commission, Department of Energy, Environmental Protection

Agency, the Congress and others.

- Developed the process by which the Nuclear Industry reaches consensus on problems of national impact.
- Served as principle liaison with the Institute of Nuclear Power Operation and the Electric Power Research Institute.
- Served as the industry spokesman with key government officials and Congressional staff on industry technical/regulatory affairs.

**Nuclear Management and Resources Council, Washington, DC** **1987-1994**  
**Vice President and Director, Technical Division**

Directed the resources of the Nuclear Utility Industry in resolving technical and regulatory issues with the Nuclear Regulatory Commission and the Department of Energy.

- Organized and staffed the division as the first director.
- Resolved long-standing safety issues remaining from the Three Mile Island accident.
- Resolved long-standing concerns with the seismic safety design of nuclear plants.
- Developed and implemented numerous industry self-initiated programs to resolve real or perceived safety problems.

**Duke Power Company, Charlotte, North Carolina** **1977-1987**  
**Section Head, Nuclear Plant Analysis**

Directed several groups of engineers performing systems and safety analyses for nuclear electric generating plants.

- Organized and staffed the Section to provide independent nuclear safety assessment for nuclear power plants.
- Led the development of "in house" capability with probabilistic safety analysis.
- Worked with NASA to interchange safety approaches between the space shuttle program and the commercial nuclear program.

**Group Head, Nuclear Engineering**

Directed groups of engineers with responsibility for nuclear engineering activities of the Design Engineering Department during the design and construction of several nuclear power plants.

- Testified as lead technical witness at Atomic Safety and Licensing Board proceedings.
- Dispatched to Three Mile Island as team nuclear expert immediately after the accident.

**Supervisor, Nuclear Fuels Analysis**

Supervised nuclear fuel procurement, contract negotiation and new and spent fuel storage design for new nuclear power plants.

- Managed a \$2 Billion nuclear fuel budget.
- Designed new and spent fuel storage for four nuclear power plants.

**University of Virginia, Charlottesville, Virginia** **1971-1977**  
**Research Reactor Engineer/Senior Reactor Operator**

Directed the use of the University research reactors by student and faculty researchers.

- Licensed by the Nuclear Regulatory Commission as a Senior Reactor Operator.
- Constructed, licensed and started up a low power student training reactor.

**United States Navy** **1963-1971**  
**Crew Training Coordinator, S1W Prototype**

Directed the training program for Naval Officer and enlisted operators for nuclear powered vessels.

- Achieved Engineering Watch Officer qualification as an enlisted man.

- Achieved a 100% graduation rate for a troubled operator qualification program.

### **Nuclear Reactor Operator**

Served on the construction and initial operating crew for a fleet ballistic missile submarine.

### **EDUCATION**

- BS, Nuclear Engineering with Highest Distinction, University of Virginia
- Institute of Nuclear Power Operations, Senior Nuclear Executive Course

### **PROFESSIONAL ASSOCIATIONS**

Electric Power Research Institute

- Member, Nuclear Power Division Advisory Committee
- Member, Advanced Reactor Advisory Committee
- Chairman, Nuclear Safety and Analysis Task Force
- Fusion Energy Task Force

Atomic Industrial Forum

- Industry Committee on Chernobyl Response
- Committee on Fusion Energy

American Nuclear Society

- National Public Policy Committee
- Piedmont Carolinas Local Section Chairman

Massachusetts Institute of Technology

- Electric Utility Program Industry Advisory Committee
- Lecturer, Summer Nuclear Safety Course