

KEITH A. KLEIN

EXPERIENCE SUMMARY

Extensive experience managing challenging Department of Energy (DOE) programs, projects, and major sites with multiple missions and multiple contracts. As Manager of Richland Operations Office (Hanford site) planned and managed large scale transition of site contracts, priorities, and mission focus involving numerous technical, socioeconomic, regulatory, integration, management and political issues. Thirty-five years of Federal experience dealing with all aspects of the nuclear fuel cycle: light water, heavy water, gas, and breeder reactors; fuel development and reprocessing; transportation; safety, quality assurance and environment; safeguards and security; and waste management and disposal. Subsequently gained valuable private sector experience consulting for clients in the energy field as a VP for Longenecker & Associates, formation of own alternative energy development company, and serving as Executive Director of the Tri-Cities Local Business Association.

DETAILED EXPERIENCE

2007 – Present Vice President NW Operations, Longenecker and Associates

Currently consulting on variety of private and public sector projects.

1973 – 2007 United States Atomic Energy Commission to Department of Energy (DOE)

1999 – 2007 Manager, Richland Operations Office

Created and implemented a vision for cleaning up a 50 year legacy of plutonium production at the 586 square mile Hanford Site, the nation's most contaminated nuclear waste site. Significantly accelerated cleanup, reduced risks and costs, and established technical and management structure for continued success. Responsible for \$1 billion per year budget and several thousand site employees. Scope included 9 plutonium production reactors, 5 reprocessing canyons, 2000 tons of spent fuel, 18 tons of plutonium bearing materials, 1500 waste sites, 1700 contaminated facilities and groundwater plumes. Successfully dealt with all levels of federal, state and local governments, Tribal nations, regulators, labor and special interest organizations, contractors, public media, etc. on wide range of issues covering planning, safety, compliance, emergency response, land use, legal, budget, programmatic, personnel, training, technical and social matters.

1998 – 1999 Acting Manager, Carlsbad Area Office

Successfully carried out assignment to "get the Waste Isolation Pilot Plant (WIPP) open and recruit a permanent Manager."

1994 – 1998 Deputy Manager, Rocky Flats Field Office

Was a key contributor in transitioning the site to a highly effective cleanup mode following the FBI raid.

1992 – 1994 Executive Officer (Chief of Staff), Environmental Management, Headquarters

Responsible to the Assistant Secretary for ensuring policies and guidance were executed in a timely and responsible manner. The Assistant Secretary was responsible for a \$6 billion/per year budget and 40,000 people dealing with a wide range of nuclear waste and material management and environmental restoration programs/projects at 53 cleanup sites in 31 states.

1985 – 1994 Senior Executive Service Assignments, Headquarters

- Associate Deputy Assistant Secretary for Oversight and Self-Assessment, Environmental Management
 - Directed activities of four reporting offices overseeing safety, environmental, and health compliance and performance.
- Director, Office of Safety and Quality, New Production Reactors
 - Managed three Divisions responsible for overseeing and evaluating candidate designs for a new reactor to produce tritium, a key component in current nuclear warheads. Developed detailed nuclear safety and safeguards and security requirements and safety review capabilities comparable to those used to regulate commercial nuclear power. Presented a detailed evaluation to the Secretary comparing heavy water, gas, and light water reactor designs.
- Deputy Associate Director for Systems Integration and Regulation, Office of Civilian Radioactive Waste Management
 - Shared responsibility for design and siting a Monitored Retrievable Storage Facility, at-reactor storage, and nuclear fuels transportation. Dealt extensively with Nuclear Regulatory Commission, State and local governing bodies, industry, and public interest groups. Also served as U. S. Representative to the International Atomic Energy Agency for spent fuel management/reprocessing.

1973 – 1994 Supervisory and Staff positions

- Director, Division of LWR Fuel Cycle Projects, Office of Nuclear Energy
 - Responsible for activities leading to a federal capability to store fuel on an emergency or temporary basis and initiatives to reduce technical, regulatory, and institutional barriers to commercial fuel reprocessing.
- Staff to Under Secretary of Energy
 - Responsible for a wide array of management and technical support activities
- Project Engineer, Geologic Exploration Branch, Nuclear Waste Management
 - Responsible for various aspects of siting a high level waste nuclear repository, including lead for DOE's Cross Statement of Position in the NRC's Waste Confidence Rulemaking and liaison with National academy of Science's panel on geologic repository siting criteria.
- Reactor Engineer, Liquid Metal Fast Breeder Reactor Programs
 - Cognizant engineer responsibilities, including design and testing of reactor fuel and control rod assemblies, shipping casks and steam generators. As AEC Intern, field engineering assignment was working for Westinghouse Hanford then Bechtel Power on various parts of the Fast Flux Test Facility construction

EDUCATION

1975-1976 MS, Nuclear Engineering, Massachusetts Institute of Technology

1969-1973 BS, Electrical Engineering, Cornell University

KEY AWARDS & OTHER

Serve on Secretary of Energy's Environmental Management Advisory Board and Board of Directors of Hanford Reach Interpretive Center. Recipient of Boy Scouts of America Distinguished Eagle Award, the Secretary of Energy's Gold Award and the Presidential Distinguished Executive Rank Award, the nation's highest award for a civil servant.