

February 2014

Richard B. Stout, PhD

Experience Summary

Dr. Stout received a BS(1965)and MAT(1966) in Physical Sciences from Washington State University and a PhD in Nuclear Engineering from Oregon State University (1972). He also completed executive programs in business management, economics and marketing at Wharton and Columbia Universities' business schools as well as engineering safety programs at MIT. Dr. Stout has worked more than 50 years in the nuclear industry in the areas of health physics, nuclear materials safeguards, reactor core physics, nuclear reactor safety engineering, nuclear fuels and engineering services, marketing and teaching. He also served as a top executive in the United States and Asia. Dr. Stout's area of expertise is in nuclear reactor core analyses and nuclear fuel management where he pioneered several early computer programs used to operate and refuel commercial nuclear power plants. He is currently working part time teaching nuclear engineering at Washington State University, and represents WSU on the Hanford Advisory Review Board. He is a member of the American Nuclear Society and served as president of the Eastern Washington Section for two years.

Education.

Bachelor of Sciences, Washington State University (1965).

Masters in Teaching Physical Science, Washington State University (1966).

Ph.D. Nuclear Engineering, Oregon State University (1972). Dissertation on the Optimization of In-Core Nuclear Fuel Management in a Pressurized Water Reactor.

1961-1966

Assistant Health Physicist, Nuclear Research Center, Washington State University. Responsible for radiation monitoring of laboratories using radioactive isotopes on the WSU campus plus radiation analyses of water, soil and air samples collected in the vicinity of the research reactor at WSU. This was half-time work while attending WSU.

1966-1968

General Physical Scientist, US Atomic Energy Commission. Responsible for monitoring and inventory of source and special nuclear materials (uranium, plutonium and thorium) on the Hanford Nuclear Reservation.

1971-1976

Senior Engineer, Exxon Nuclear Corp. Responsible for the development of nuclear reactor physics computer programs (XTG) which were used to operate the nuclear fuel in the more than 25 reactors worldwide for which Exxon Nuclear manufactured and supplied fuel.

1976-1978

Manager, Neutronics Development, Exxon Nuclear Corp. Manager of the group with the same responsibilities as above.

1979-1980

Manager, Boiling Water Reactor Neutronics, Exxon Nuclear Corp. Manager of the group responsible for nuclear related aspects of fuel design and fuel management within the reactor core for the nuclear reactors for which Exxon manufactured and supplied fuels.

1981-1982

Manager Neutronics and Fuel Management, Exxon Nuclear Corp. Manager of the group with the same responsibilities as above for both boiling water and pressurized water reactor designs. Responsible for economic performance of the fuels within the reactor core.

1982-1985

Manager, Licensing and Safety Engineering, Exxon Nuclear Corp. Manager of the group responsible for the safety analyses of the more than 25 reactors worldwide for which Exxon supplied fuel. Analyses included all the transient and loss of coolant events specified by the USNRC for the operation of nuclear power plants. Extensive interaction with the USNRC was required for the approval of operating license each time the reactor was refueled.

1986

Siemens Nuclear of Germany purchased Exxon Nuclear and established Siemens Power Corp. (USA).

1986-1989

Manager, Customer Engineering Services, Siemens Power Corp (USA). Manager of the group responsible for technical support and nuclear fuel cycle economics analyses for the marketing of nuclear fuel and reactor services for the more than 50 reactors for which Siemens supplied fuel.

1990-1991

Director, Far East Marketing and Technology, Siemens Power Corp. (USA). Managed the Taiwan office for Siemens Power Corp with responsibility for marketing and contract management for the 4 reactors for which Siemens supplied fuel in Taiwan plus initiation to open the nuclear fuels market in Japan, China and Korea to US suppliers. This position included interaction with government and political officials in Taiwan, Japan, China and Korea.

1992-2000

Vice-President, Far East Marketing, Siemens Power Corp.
Responsible for nuclear fuels and nuclear reactor services marketing and contracts for Japan, Taiwan, Korea and China for all products from Siemens Power Corp (USA) and Siemens Nuclear in Germany. These included nuclear fuel, uranium conversion, nuclear fuel repair services, chemical decontamination of nuclear components, reactor vessel inspection, and cooperation with Japanese companies for the development of advanced nuclear fuel designs.

1996-2003

President, Siemens Power KK, Japan. To better serve the Japanese market Siemens established a Japanese company in 1996. Dr. Stout was named president of this company and managed responsibilities in Taiwan, Korea and China from this office. In 2001 Framatome and Siemens combined their nuclear operations worldwide to form a new company called Framatome Advanced Nuclear Power. The Japan company was renamed Framatome ANP KK for which Dr. Stout remained president until retirement in March 2003. Later Framatome was merged in AREVA.

1999-2003

Lived in Japan with the responsibilities noted above. The living experiences in Japan and Taiwan plus responsibilities in Korea and China working for German and French companies have allowed me to gain considerable knowledge of the foreign nuclear markets and the reactor and fuel designs used throughout the world.

2008-present

Part time consultant and teaching nuclear engineering classes at Washington State University.

Additional Information.

Author of several papers on advancements in nuclear fuel design for light water reactors.

In 1998 awarded the honor of Academy of Distinguished Engineers and in 2008 was named to the Engineering Hall of Fame at Oregon State University.

Has served on the Advisory Board for the School of Nuclear Engineering at Oregon State University since 2009.

Member of the American Nuclear Society for more than 42 years. Served on committees related to nuclear fuels and reactor physics. Past president of the Eastern Washington Section of the American Nuclear Society.

In 2011 appointed by Washington State University as it's representative to serve on the Hanford Advisory Review Board.