

The industry was in trouble. Since Three Mile Island, new construction had ground to a halt, and by 1984, 52 planned nuclear power plants had been canceled. Nuclear licensing ceased for two years, and when it resumed, requirements were more stringent and safety evaluations more extensive. This was the climate in which I returned to GE in 1982. The company was preparing for major pipe replacements at its boiling water reactors, beginning with Peach Bottom-2 in Delta, Pa. I led ALARA implementation, supervising health physicists charged with reducing or preventing radiation exposure for plant personnel. After Peach Bottom, I prepared safety evaluations for Commonwealth Edison at its LaSalle, Quad Cities, and Dresden plants before joining the pipe replacement team at Vermont Yankee in 1985. For the next five years, I traveled to Vermont Yankee four times a year, supporting its maintenance supervisor, with responsibility for quality assurance, nuclear safety evaluations, and the ALARA program.

By 1992, I was managing safety evaluations for plants throughout the United States, but I always kept a couple hundred hours of work for myself each year. My studies of the impact of hydrogen water chemistry on radiation exposure took me to GE's Jinshan and Kuosheng power plants in Taiwan, as well as other BWRs all over the United States, until 1999, when GE retired me. I continued to work part time until my final job in 2006: a study of the impact of hydrogen water chemistry at Browns Ferry-1.

My career in the nuclear industry, from graduate school to retirement, lasted nearly 50 years. It took me to nuclear power stations throughout the United States and

to Taiwan and the former Soviet Union. I worked for General Electric, United Engineers and Constructors, and, periodically, myself, as well as on projects for Oak Ridge Institute, the U.S. Air Force, NASA, the U.S. government, and industry and public utilities. I was principally concerned with analysis of power generation, nuclear safety, and environmental impact. My work provided me with continual

interest, fruitful collaborations with other professionals in the field, all the challenges I could wish for, and the joy of problem solving. I had many mentors at the start of my career, and I taught and mentored young engineers in turn—some of whom are my friends to this day. ☒

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