



Engineering School, George Washington University and The University of Pittsburgh. I am a licensed professional engineer in thirteen states and in multiple disciplines. Attached to this affidavit as Exhibit A is my resume.

2. After Steven White agreed to take the job as Manager of Nuclear Power with TVA, Mr. White told me that he was very interested in taking with him to TVA a group of highly qualified people whom he knew and trusted to assist him in getting the recovery program off in the proper direction. See Transcript of OI Interview of E. J. Siskin (OI Interview of Siskin), March 3, 1987, at 6. I was one of the people asked to assist Mr. White. I had known Mr. White since about 1970 and had worked with him on numerous problems relating to the operation of naval nuclear propulsion plants.

3. After agreeing to assist Mr. White, I worked nearly full-time at TVA for about a month starting on January 13, 1986. Thereafter, my involvement was gradually reduced because of other duties I had to perform for SWEC. See OI Interview of Siskin at 6-7, 9-10. At TVA, my primary focus was on the engineering side, but I do recall reviewing a draft or two of the March 20, 1986 letter to the NRC and discussing from time to time the technical aspects of specific questions that came up in preparing that response. See OI Interview of Siskin at 7. These discussions took place one-on-one with Messrs. Kelly, Huston, Wegner, Kirkebo

and others who were also reviewing the response. In addition, on several occasions, I had general discussions with Mr. White with respect to the Appendix B question. See OI Interview of Siskin at 11.

4. The group of senior nuclear industry personnel who assisted Mr. White worked together intensively for months at TVA. We had many responsibilities to fulfill and assignments to accomplish. Many of the group of senior non-TVA managers frequently worked together in one large room. Some of the group ate dinner together on many of the nights that we were in Chattanooga. We discussed the status and resolution of many issues among ourselves, including the so-called Appendix B letter.

5. After Mr. Kelly became Director of Quality Assurance at TVA in a loaned manager capacity in mid-February, 1986, I spoke with him during the next month or so on the average of about once-a-day. I also spoke with Mr. Huston somewhat less frequently during the same period. One of the many subjects we discussed was the TVA response to the NRC's January 3 letter.

6. I was aware that there was a group of people at the Watts Bar site who were to review the issues raised by the NSRS perceptions. This review, I now understand, was led by Mr. Craig Lundin. Although I told OI that I was not familiar with the specific activities of the Lundin group at the site

and did not review their results, see OI Interview of Siskin at 8, 82-83, I did review drafts of the attachments to the March 20, 1986 letter as part of my review of the draft letter itself. At the time I testified, I was not specifically aware of Mr. Lundin's role in developing those attachments. I now know that the comments of the Lundin group were reflected in the attachments to the March 20, 1986 letter that other senior managers and I reviewed.

  
\_\_\_\_\_  
Edward J. Siskin

Subscribed and sworn to before me  
this 15 day of November, 1988.



\_\_\_\_\_  
Notary Public

My Commission expires: 5-22-89

ROBERT J. SHANNON  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 5-22-87

SISKIN, EDWARD J.

September 1988  
EXECUTIVE VICE PRESIDENTEDUCATION

University of Pennsylvania - B.S. in Electrical Engineering - 1963  
Westinghouse Bettis Atomic Power Laboratory Reactor Engineering School  
(26-week course equivalent to an M.S. in Nuclear Engineering) - Certificate  
of Completion with Distinction - 1965  
U.S. Atomic Energy Commission Naval Nuclear Power Training Unit - Training  
in the Operation of a Naval Nuclear Propulsion Plant  
George Washington University and University of Pittsburgh - Graduate Courses  
in Electrical Engineering and Mathematics  
Northeastern University - Management Development Program - 1981-82

REGISTRATIONS

Professional Engineer - Alabama, Florida, Illinois, Indiana, Louisiana,  
Massachusetts, New Jersey, New York, Pennsylvania, South Carolina, Tennessee,  
Texas, West Virginia

EXPERIENCE SUMMARY

Mr. Siskin has more than 25 years of experience in nuclear power and engineering and construction of large facilities. He has had direct technical and managerial responsibility for work on more than 30 commercial nuclear power plants.

Mr. Siskin is Executive Vice President and a director of Stone & Webster Engineering Corporation and is responsible for SWEC offices in Cherry Hill, New York, and Chicago. He also has overall sponsorship of nuclear work for the corporation. In addition, he serves as the Manager of Stone & Webster Engineering Corporation - Cherry Hill, a full-service engineering and construction operation with more than 1,700 persons. Prior to becoming Manager in January 1988, he was Deputy Manager. He has also been responsible since May 1985 for Stone & Webster's Comanche Peak Project, a 2,000-person project responsible for completing a 2,300-megawatt nuclear power station.

From December 1984 until January 1987 he was Manager of SWEC-New York, a major engineering and design office. Previously, Mr. Siskin was Manager of the Engineering Department of SWEC-New York. This 850-person department was involved in power, industrial, and process plant design.

Before his transfer to New York, Mr. Siskin served in the Engineering Department of SWEC-Boston, where he had assignments as Project Manager for Beaver Valley Power Station - Unit 1, Chief Engineer of the Operations Services Division, and Assistant Manager of the Engineering Department.

Prior to joining SWEC, Mr. Siskin served for 14 years in the Naval Reactors Division of the United States Atomic Energy Commission and its successor agencies. During this period, he had experience in all aspects of design, construction, and testing of the Navy's pressurized water reactor power plants. For 11 of these years, Mr. Siskin was a Field Office Manager reporting directly to Admiral H. G. Rickover, the Director, Division of Naval Reactors. In 1976, Mr. Siskin received a Special Achievement Award for sustained and substantial contributions to the Naval Nuclear Propulsion Program.

PROFESSIONAL AFFILIATIONS

Institute of Electrical and Electronics Engineers - Senior Member

Council on Energy Awareness - Member - Former Chairman of the Subcommittee  
on Engineering Techniques for Reducing Occupational Exposures

American Institute of Chemical Engineers - Member

Society of American Military Engineers - Member

PENJERDEL Council - Board of Directors

Center for Chemical Process Safety, Board of Directors

DETAILED EXPERIENCE RECORD  
SISKIN, EDWARD J. 84218

STONE & WEBSTER ENGINEERING CORPORATION (Nov 1977 to Present)

Appointments:

Elected Executive Vice President of Stone & Webster Engineering Corporation  
August 1988

Manager, Stone & Webster Engineering Corporation - Cherry Hill - January 1988

Elected Senior Vice President of Stone & Webster Engineering Corporation -  
November 1987

Deputy Manager, Stone & Webster Engineering Corporation - Cherry Hill  
- April 1986

Elected a Director of Stone & Webster Engineering Corporation - November 1985

Manager, Stone & Webster Engineering Corporation - New York - December 1984

Elected Vice President of Stone & Webster Engineering Corporation November 1983  
Engineering Manager - July 1979

Assistant Engineering Manager - November 1978

Chief Engineer, Operations Services Division - April 1978

Project Manager and Assistant to the Senior Engineering Manager - January 1978

As MANAGER of SWEC-Cherry Hill, Mr. Siskin is fully responsible to the Office of the Chief Executive for managing a major engineering, design, and construction office. His responsibilities include the entire scope of activities for this office, including the quality, schedule, and profitability of work, marketing, office strategic planning, operations, salary administration, labor relations, and facilities. He continued to be corporate sponsor for all SWEC work in support of the Comanche Peak Steam Electric Station.

As DEPUTY MANAGER of SWEC-Cherry Hill, Mr. Siskin's primary responsibility was technical and managerial direction of all SWEC work for Comanche Peak. This major effort involving multiple SWEC offices and a large site organization is responsible for satisfactory completion and licensing of a two-unit nuclear power station under construction.

As MANAGER of SWEC-New York, Mr. Siskin was responsible for managing a major engineering and design office. His responsibilities covered the entire scope of activities for this office. He also provided the corporate interface with a number of important clients including Commonwealth Edison, Public Service Electric and Gas Company, and Texas Utilities.

As ENGINEERING MANAGER of SWEC-New York, he was fully responsible for directing the operation of the Engineering Department of SWEC-New York. This 850-person department was involved both with nuclear plant design and support and with the design of process and industrial plants such as ethylene, methanol, ethanol, and cogeneration. Additional assignments for corporate management have involved seismic reanalyses, gas centrifuge uranium enrichment, fossil power plant support efforts, modular construction planning, and robotics.

As ASSISTANT ENGINEERING MANAGER, he was responsible for two divisions of the Boston Engineering Department: Operations Services and Advisory Operations. These divisions handle all power plant startup and testing and the engineering, scheduling, and procurement support of operating plants. Also, he served as one of the Task Force Managers for the seismic reanalysis of five nuclear plants.

As CHIEF ENGINEER, he was responsible for the Operations Services Division, which provided services and support for all nuclear and fossil-fueled power plants. He also was responsible for the Operational Design Review Group, which reviewed new nuclear plant design work to ensure that it reflected all past SWEC and industry experience.

As PROJECT MANAGER for Beaver Valley Power Station - Unit 1, he headed a task force to upgrade the power production capabilities of that power station.

Assigned to the Beaver Valley Nuclear Project in 1977, he headed a task force to resolve problems with the fabrication of the containment liner for Beaver Valley Power Station - Unit 2.

U.S. ATOMIC ENERGY COMMISSION (AND SUCCESSOR AGENCIES) (1963 to 1977)

As MANAGER of Naval Reactors' Groton Office from 1970 to 1977, he supervised, for the Atomic Energy Commission, all aspects of the construction of 32 nuclear submarines and the major overhaul of 18 others, including the design, construction, and testing of their nuclear reactor plants. He also directed the development and implementation of a standardized reactor plant test program, developed a Nuclear Emergency Plan which has been adopted as the Navy's standard, and established a uniform material control standard. In addition, he was involved in determining ways to increase output, improve productivity, and accurately measure the progress of submarine construction. This included substantial involvement in the design and implementation of sophisticated automated construction equipment. During a large-scale audit by government and industry experts, these efforts were strongly endorsed.

From 1967 to 1970, Mr. Siskin was MANAGER of the Naval Reactors Office at Westinghouse's Plant Apparatus Division. In this position, he was the Government's technical and administrative contracting officer responsible for the procurement of more than \$600 million worth of reactor plant equipment. This included responsibility for directing development of basic specifications, evaluation of bids, approval of drawings, preparation of quality control requirements, monitoring of manufacturing progress, and resolution of problems with components after delivery. He also developed and ran a production assistance program in which teams of specialists identified and eliminated causes of delivery delays for major vendors, resulting in a cumulative saving of over 1,000 months of component delivery delays. He personally headed most of these teams.

From 1965 to 1967, Mr. Siskin was PROJECT OFFICER for the Natural Circulation Nuclear Propulsion Plant. He was responsible for the direction of the design, construction, and testing of the prototype of a natural circulation nuclear propulsion plant. His time was divided between the Atomic Energy Commission Headquarters in Washington, D.C., and the prototype site in Idaho Falls, Idaho. He also had responsibility for the development and direction of the reactor plant technical evaluation program, which ensured that the propulsion plant met or exceeded all design and operation objectives. In addition, he was responsible for the supervision of the conversion of this research and development prototype to a fully functional training facility. In doing so, he met all schedule and cost objectives.

As ENGINEER for Prototype Propulsion Plant Components (1965), he was responsible for maintenance, overhaul, and technical control of all steam plant components installed in three operating submarine prototype nuclear propulsion plants. He received a commendation for arranging for the manufacture of a small turbine by a Naval shipyard. This involved significant design changes allowing the use of the less sophisticated manufacturing equipment and techniques. The resulting improved delivery of this turbine enabled the prototype to resume operation more than one year earlier than would have been possible otherwise.

As ENGINEER for Nuclear Facilities (1963 to 1965), Mr. Siskin was responsible for the design and arrangement for construction of facilities at Naval shipyards and repair ships supporting the maintenance and overhaul of Navy nuclear propulsion plants.