

UNITED STATES OF AMERICA

BEFORE THE U.S. NUCLEAR REGULATORY COMMISSION

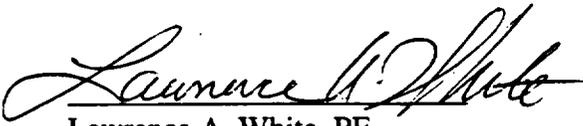
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of )  
)  
PRIVATE FUEL STORAGE, L.L.C. )  
) Docket No. 72-22-ISFSI  
(Independent Spent Fuel )  
Storage Installation) ) November 20, 1997  
)

**DECLARATION OF LAWRENCE A. WHITE, PE**

I, Lawrence A. White, PE declare under penalty of perjury that:

1. I am an Executive Vice President of Versar, Inc., an engineering and consulting firm headquartered in Springfield, Virginia. I have extensive experience in the areas of nuclear licensing, radioactive waste management, including the siting, design construction, operation, and decommissioning of nuclear facilities, the National Environmental Policy Act (NEPA), NRC regulations and licensing procedures, and the Nuclear Waste Policy Act of 1982. Copies of my resume and a description of Versar, Inc. are attached to this Declaration.
2. I am familiar with Private Fuel Storage's ("PFS's") License Application, Safety Analysis Report and Environmental Report in this proceeding, as well as the storage and transportation casks PFS plans to use. I am also familiar with NRC regulations, NRC guidance documents, and with NEPA documentation requirements and environmental, scientific, and engineering studies relating to the transportation, storage and disposal of spent nuclear fuel.
3. I assisted in the preparation of, and have reviewed, the State of Utah's Contentions dealing with general NEPA issues, the intermodal transfer site, geotechnical, quality assurance, financial assurance, and emergency planning requirements as well as seismic analyses and radiation shielding. The technical facts presented in those contentions are true and correct to the best of my knowledge, and the conclusions drawn from those facts are based on my best professional judgment.

  
Lawrence A. White, PE

## **LAWRENCE A. WHITE, PE**

### **Education/Professional Registrations:**

M.E.A., Engineering Administration, George Washington University, 1980  
M.S.E., Geotechnical Engineering, The Catholic University of America, 1972  
B.S.C.E., Civil Engineering, University of Maryland, 1968

Registered Professional Engineer  
American Society of Civil Engineers  
American Management Association

### **Experience:**

Mr. White is a senior program manager and Executive Vice President of Versar, Inc., a nationally recognized environmental engineering and professional services firm. He has over 29 years of experience, including experience as Project Director responsible for all technical support to the Pennsylvania Department of Environmental Resources for the siting and development of the Appalachian Compact Facility for the disposal of low level radioactive waste. Mr. White's accomplishments included the development of the state's regulatory framework for the selection of an operator - Licensee, technical assistance in the review of alternative proposals and technologies for the development of a disposal facility, and all preparatory work for the site selection effort including the implementation of a Geographic Information Management System to aide the State's Licensee in the site selection process. Mr. White consulted to the state on complex issues of mixed waste and greater than Class C waste and their impact on the Compact's facilities. In addition, Mr. White managed a contractor support team to the DOE Office of Civilian Radioactive Waste Management. His team was responsible for all siting and licensing support to DOE for the development of the first-of-a-kind geologic repository for the disposal of high-level radioactive waste. Support included assisting DOE in the identification of resolution of policy issues includes assisting them in negotiation with EPA on their risk based standard 40 CFR 191. Other accomplishments included supporting the development of siting guidelines and the preparation of nine environmental assessments, which supported DOE decision on the selection of three sites for characterization. Mr. White also led negotiations with the EPA on behalf of the NRC to establish their operations and long-term performance standards. As a Federal employee, Mr. White worked on the development of health, safety, and environmental regulations, standards, and guidance for the nuclear power industry and on the application of those regulations in the field. Mr. White was NRC's Project Manager and spokesman for the Licensing and Environmental Impact Assessment of the Byron and Braidwood Nuclear Power Plants. . As Chief, NRC Regulatory and Siting Section, Division of Waste Management, Mr. White, managed the development of NRC's regulations and technical support program which now defines the DOE program for licensing the handling and disposal of high-level radioactive wastes and spent fuel under 10 CFR Part 60. Mr. White managed a \$9M/year R&D budget in support of the high-level waste rule. This R&D program was aimed at the evaluation of alternative waste forms, their leach resistance and performance of engineered barriers including canisters for spent fuel disposal and engineered backfill materials response to heat generation in the repository. Studies also focused on DOE Defense HLW, including vitrification technology, and waste form and packaging criteria required to ensure waste compatibility in the commercial repository facility. Mr. White performed licensing reviews of all geotechnical aspects of over 20 nuclear power plant projects throughout the U.S., including the Clinch River Breeder Reactor and Barnwell fuel cycle facilities