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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the matter of)	
)	
SYSTEM ENERGY RESOURCES, INC.)	Docket No. 52-009-ESP
)	
(Early Site Permit for Grand Gulf ESP Site))	ASLBP No. 04-823-03-ESP

**PRE-FILED TESTIMONY OF JOHN CESARE, AL SCHNEIDER, AND GEORGE
ZINKE ON BEHALF OF APPLICANT CONCERNING HEARING ISSUE G
(EVALUATION OF PLANT PARAMETER ENVELOPE)**

Q1. Please state your name, current position, and by whom you are employed.

A1. My name is John G. Cesare ("JGC"). I am employed as Lead Licensing Project Engineer for ENERCON Services, Inc.

A1. My name is Al J. Schneider ("AJS"). I am employed as the Manager of Projects for the New Plant Services Division of ENERCON Services, Inc.

A1. My name is George A. Zinke ("GAZ"). I am employed as the Project Manager, Business Development, for Entergy Nuclear, Inc.

Q2. On whose behalf will you testify in this proceeding?

A2. (JGC, AJS, GAZ) We are providing testimony on behalf of the applicant in this early site permit ("ESP") proceeding, System Energy Resources, Inc. ("SERI" or the "Applicant").

Q3. Please describe your professional qualifications.

A3. (JGC) I hold a B.S. degree in Chemical Engineering and an M.S. degree in Nuclear Engineering from Mississippi State University. I have over 24 years of experience in

the nuclear power industry, including experience in the areas of new reactor, operational and decommissioning licensing; special projects; organizational assessment; and management support. This includes ten years of supervisory and management experience at a Boiling Water Reactor ("BWR") facility. A full statement of my professional qualifications is contained in SERI Exhibit 1.

A3. (AJS) I hold B.S. and M.S. degrees in Mechanical Engineering from the University of Arkansas. I have over 33 years of technical and management experience in the commercial nuclear power industry. This experience encompasses numerous lead and supervisory assignments in engineering, projects, technical support, preoperational and start-up testing programs, procedure upgrade and development, licensing, and outage planning and scheduling. As noted above, I have provided project management and technical expertise to the Grand Gulf Nuclear Station ("GGNS") ESP project. I also have provided project management services in connection with NuStart's initiation of its combined operating license application ("COLA") preparation project, the ENERCON/NuStart Economic Simplified Boiling Water Reactor ("ESBWR") COLA preparation project, the design of BWR/6 Emergency Core Cooling System ("ECCS") Suction Strainers for three BWR/6 plants, Technical Specification Surveillance Test Procedure Upgrade Projects, system design criteria review and development, comprehensive in-service testing ("IST") program reviews, and a ten-year IST program update. A full statement of my professional qualifications is contained in SERI Exhibit 1

A3. (GAZ) I hold a B.S. degree in Electrical Engineering from Wichita State University. I have over 30 years of technical and management experience in the commercial nuclear power industry. Since joining Entergy Nuclear, Inc. as a Project Manager in 1997, I have focused principally on business development matters involving the company's GGNS Early

Site Permit and COL Development projects, as well as the NuStart COL Development Project. Prior to that, I held various managerial and supervisory positions at the Maine Yankee and GGNS facilities, where I was responsible for overseeing various licensing, system engineering, quality assurance, worker concerns, emergency preparedness, and environmental programs related to facility operation and decommissioning. A full statement of my professional qualifications is contained in SERI Exhibit 1.

Q4. Please describe your professional responsibilities with regard to the Grand Gulf ESP application, including the basis for your familiarity with that application.

A4. (JGC) As part of a larger ENERCON team, I served as a consultant to SERI and supported the development of the ESP application that seeks to demonstrate site suitability for a new commercial nuclear power plant at the GGNS site. As the lead licensing project engineer, I coordinated and supported the development of the safety analyses, environmental report, and emergency planning assessment for the ESP application. I also participated in site safety and environmental visits, the development of applicant responses to Nuclear Regulatory Commission (“NRC”) Staff requests for additional information (“RAIs”), and the Advisory Committee on Reactor Safeguards (“ACRS”) review process. My work also involved active participation in the industry ESP task force and numerous licensing-related interactions with the NRC Staff.

A4. (AJS) As Project Manager for ENERCON for the Entergy Grand Gulf early site permit application development, I was responsible for overall management of all of ENERCON’s work related to development of the ESP application, including budget, resources and schedule, and was responsible for implementation of the Quality Assurance program for the application development project. I was responsible for integrating the input from other contractors (*i.e.*, William Lettis & Associates, Inc.) into the safety analysis report for the

application. I participated in the development and technical review of the environmental report and the safety analysis report parts of the application. I also participated in site safety and environmental visits to the site by the NRC, the development of applicant responses to Nuclear Regulatory Commission (“NRC”) Staff requests for additional information (“RAIs”) and DSER Open Items, and the Advisory Committee on Reactor Safeguards (“ACRS”) review process.

A4. (GAZ) As the Project Manager, Business Development, for Entergy Nuclear, Inc., I have two different but complementary roles. Namely, I am both the NuStart Licensing Lead and the Entergy Nuclear New Plant Licensing Lead. In the former capacity, I am responsible for regulatory affairs associated with the NuStart COL Development Project. Entergy is a member of NuStart Energy Development, LLC, a consortium formed in 2004 that is seeking to facilitate the licensing, construction, and operation of new, advanced nuclear power plants in the United States. In the latter capacity, I am responsible for regulatory affairs and quality assurance associated with the Entergy COL Development Process. The acquisition of an ESP for the GGNS site is a preliminary and integral step in the Entergy COL Development Process. As such, I have overall responsibility for regulatory and engineering matters related to the Grand Gulf ESP application.

Q5. In its Order (Requesting Specific Summary Exhibits and Supplemental Briefs; Identifying Hearing Issues and Requesting Evidentiary Presentations on Specific Issues) of November 6, 2006, the Atomic Safety and Licensing Board (“Board”) identified a series of hearing issues on which the Board has required testimony and presentations from the NRC Staff. The Staff submitted its pre-filed testimony on November 20, 2006. *See* NRC Staff Pre-Filed Testimony Concerning Hearing Issue G: Evaluation of Plant Parameter Envelope” (Nov. 20, 2006). Have you reviewed the Staff’s testimony on Hearing Issue G?

A5. (JGC, AJS, GAZ) Yes.

Q6. During the October 31, 2006, pre-hearing conference, the Board expressly authorized the Applicant, as appropriate, to submit supplemental prefiled testimony for the limited purpose of clarifying and/or providing additional factual information that may inform the Board's mandatory hearing review and decision-making process. *See* Transcript of October 31, 2006, Pre-hearing Conference at 8. Do you wish to provide any such supplemental testimony at this time?

A6. (JGC, AJS, GAZ) No. We will be available, however, to respond orally to any questions germane to Hearing Issue F that the Board may pose to the Applicant during the forthcoming evidentiary hearing.

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CERTIFICATE OF SERVICE

I hereby certify that copies of System Energy Resources Inc. Prefiled Testimony Concerning Hearing Issue [A Through I], with associated exhibits, in the above captioned proceeding have been served as shown below by deposit in the United States Mail, first class, this 22nd day of November, 2006. Additional service has also been made this same day by electronic mail as shown below.

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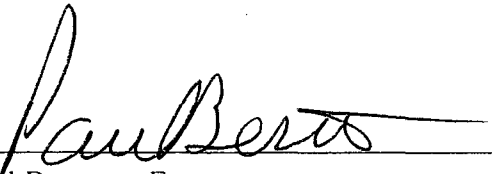
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