UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	:	
	:	
GEORGIA POWER COMPANY, et al.	:	Docket Nos. 50-424
	:	50-425
(Vogtle Electric Generating Plant, Units 1 and 2)	:	

AFFIDAVIT OF GLENN H. STOLZ

I, GLENN H. STOLZ, being duly sworn according to law, depose and say as follows:

1. My name is GLENN H. STOLZ. I am employed by Bechtel Power Corporation in the position of Deputy Engineering Group Supervisor. My business address is Bechtel Power Corporation, 12440 East Imperial Highway, Norwalk, California 90650. Attached to this affidavit as Exhibit A is a summary of my professional qualifications.

2. The purpose of this affidavit is to support the Applicants' Motion for Summary Disposition of Joint Intervenors' Contention 10.7, which concerns the environmental qualification of the electric hydrogen recombiner systems used at the Vogtle Electric Generating Plant ("VEGP"). In this affidavit I will describe briefly the operation of the containment hydrogen monitoring system at VEGP. I have personal knowledge of the matters set forth herein and believe them to be true and correct.

3. Each unit at VEGP is equipped with a containment hydrogen monitoring system. If a loss-of-coolant accident ("LOCA") were to occur at VEGP, plant personnel would determine the concentration of hydrogen inside containment by means of that system. A Class IE, Seismic Category 1 system designed to retain its integrity and to operate properly under all conditions following a design basis accident, the containment hydrogen monitoring system has been environmentally qualified pursuant to the standards set by IEEE 323-1974 and seismically qualified to the standards set by IEEE 344-1975.

4. The containment hydrogen monitoring system does not contain any transducers or sensors important to its proper functioning that are located inside containment and would be subject to the extreme environmental conditions that would result from a design basis accident. Once put in operation, that system, which is located outside containment, determines the concentration of hydrogen in the containment atmosphere on a continual basis by testing a sample of the containment atmosphere for its hydrogen content using the thermal conductivity principle. That sample is obtained from inside containment and delivered to the hydrogen monitoring system by means of a simple piping system that passes through the wall of the containment building. That piping system utilizes isolation valves to maintain

containment integrity and is thermally heat traced to insure that the sample remains in the same condition as when it left containment.

Glenn H. Stolz
GLENN H. STOLZ

Sworn to and subscribed
before me this 11th day
of July, 1985.

Joanne E. Henry
Notary Public

OFFICIAL SEAL
JOANNE E HENRY
NOTARY PUBLIC - CALIFORNIA
LOS ANGELES COUNTY
My comm. expires NOV 22, 1985

EXHIBIT A

GLENN H. STOLZ

POSITION: SENIOR CONTROL SYSTEMS ENGINEER

EDUCATION: BS, Electrical Engineering, University of Wisconsin, Madison, Wisconsin 1950

PROFESSIONAL DATA: Registered Control Systems Engineer, California

SUMMARY:

7 yrs:	Senior Engineer - Deputy Group Supervisor
4 yrs:	Senior Engineer - Group Leader
3 yrs:	Senior Engineer
15 yrs:	Sales and Applications Engineer

PRESENT: Deputy Group Supervisor Bechtel Western Power Division, assigned to Vogtle Project, Control Systems Group. Administrative and technical supervision of the NSSS section. Responsible for review and approval of process instrumentation and control equipment.

EXPERIENCE: Deputy Group Supervisor assigned to the Control Systems Group on the Hope Creek Nuclear Project. He supervised and participated in design and implementation of distributed microprocessor radiation and process monitoring system. He established design criteria and applications; led the design and ongoing work for Emergency Response Facilities; directed and reviewed Final Safety Analysis Report sections and supervised the plant computer activities. He was primarily engaged in the design and assurance of regulatory compliance of systems involving TMI requirements and equipment environmental qualification of various analog and digital (microprocessor) systems. He served as the Deputy Group Supervisor for four years.

As Deputy Group Supervisor and Group Leader on the Susquehanna Muclear Project, he lead design and implementation of equipment and services for startup testing of the NSSS and BOP systems. He wrote and coordinated FSAR sections for Chaper 7, 11 and 12 for BOP systems. He designed and lead implementation of analog loop diagrams in panel design.

Prior to joining Bechtel, Mr. Stolz had 15 years of sales and application engineering of supervisory control systems and analog control systems for utilities (transmission systems), industrial refinery, pipelines and other process control systems. He also was sales engineer for strain gage and load cell measurement systems.

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	:	

CERTIFICATE OF SERVICE

I hereby certify that copies of the Affidavit of Glenn H. Stolz, dated July 11, 1985, were served upon those persons on the attached Service List by deposit in the United States mail, postage prepaid, or where indicated by an asterisk (*) by hand delivery, this 18th day of July, 1985.

James E. Joiner
Attorney for Applicants

Dated: July 18, 1985

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of	)	
	)	
GEORGIA POWER COMPANY, et al.	)	Docket Nos. 50-424
	)	50-425
(Vogtle Electric Generating Plant, Units 1 and 2)	)	

SERVICE LIST

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