

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

DOCKETED
USNRC

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD All 44

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

OFFICE OF SECRETARY
DOCKETING & SERVICE
BRANCH

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.

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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

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

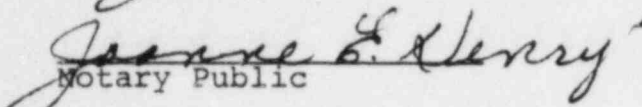

Notary Public



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 Nuclear 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 Chapter 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.

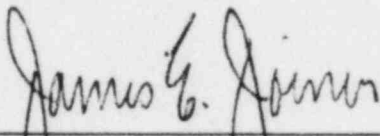
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BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

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: GEORGIA POWER COMPANY, et al. : Docket Nos. 50-424
: : 50-425
(Vogtle Electric Generating :
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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, <u>et al.</u>)	Docket Nos. 50-424
)	50-425
(Vogtle Electric Generating Plant,)	
Units 1 and 2))	

SERVICE LIST

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