

May 9, 1985

RELATED CORRESPONDENCE

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC  
SAFETY AND LICENSING BOARD

DOCKETED  
USNRC

In the Matter of	)	'85 MAY 10 A10:09
	)	
VIRGINIA ELECTRIC AND POWER	)	Docket Nos. 50-338/339-OLA-1
COMPANY	)	OFFICE OF SECRETARY
	)	DOCKETING & SERVICE
(North Anna Power Station,	)	BRANCH
Units 1 and 2)	)	

TESTIMONY OF MARVIN L. SMITH (II)

I.

Introduction

My name is Marvin L. Smith. I am a Supervisor, Nuclear Engineering for Virginia Electric and Power Company (Virginia Power). My responsibilities and qualifications are described in Testimony of Marvin L. Smith (I), which describes Virginia Power's spent fuel storage problems, and its solutions to those problems, and which will be made a part of the record in this proceeding.

II.

Virginia Power's Physical Protection System

Robert M. Jefferson will testify in this proceeding about the requirements of 10 C.F.R. § 73.37 and the implications of those requirements for possible sabotage attacks on the proposed Surry-to-North Anna shipments. Virginia Power has in place a physical protection system that complies with, and in some instances exceeds, the requirements of 10 C.F.R. § 73.37.

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III.

Photographic Exhibits

Virginia Power will offer as Exhibits in this proceeding twelve photographs of the Model TN 8L spent fuel shipping cask. These photographs are designed to familiarize the Board with some of the cask features and the steps taken during the loading and unloading of the cask and the preparation of the cask for shipment. All of the photographs were taken by Bryan H. Wakeman, a Virginia Power employee who reports to me. The photographs were taken either at the Surry Power Station, the North Anna Power Station or the AGNS Facility at Barnwell, South Carolina. I shall give below a brief description of each photograph. Unless the descriptions states that the photograph was taken at the AGNS Facility, it was taken at either Surry or North Anna. The letters in the left-hand column correspond to the letters that are affixed to the photographs that will be offered as Exhibits in this proceeding.

Designation

Description

- |    |   |
|----|---|
| A. | The cask arriving at the Power Station.   |
| B. | The front trunnion with impact limiter attached; the front tie-down is also shown.  |
| C. | The rear shock absorbing cover, the rear trunnion with impact limiter attached and the rear tie-down.   |
| D. | The cask suspended from the Power Station handling crane.   |
| E. | The lid bolts being loosened and the "A" penetration being used to vent air while the cask is being filled with water; this photograph was taken at AGNS. |

Designation

Description

F.	The cask with the skirt attached; this photograph was taken at AGNS.
G.	The cask being lowered into or removed from the Power Station spent fuel pool.
H.	The cask submerged in the Power Station spent fuel pool with the lid still on.
I.	The cask in the Power Station decontamination area with the template attached.
J.	The cask with the vacuum drying attachment affixed; this photograph was taken at AGNS.
K.	The cask being prepared for shipment from a Power Station.
L.	A close look at the cask lid.