

May 30, 1979

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)	
VIRGINIA ELECTRIC AND POWER COMPANY)	Docket Nos. 50-338 SP
)	50-339 SP
(North Anna Power Station,)	
Units 1 and 2))	(Proposed Amendment to
)	Operating License NPF-4)

AFFIDAVIT OF E. ASHBY BAUM

My name is E. Ashby Baum. A true statement of my professional qualifications is attached.

The purpose of this affidavit is to advise the Board and the other parties of Vepco's present schedule for refueling North Anna Unit 1 and of the importance of having the new racks installed in the North Anna Units 1 and 2 spent fuel pool prior to placing any irradiated fuel in the pool.

Vepco presently plans to take North Anna Unit 1 out of service on September 15, 1979, for its first refueling. (This date could move forward or backward in

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time by several days.) Vepco will be ready to begin moving spent fuel into the spent fuel storage pool seven days after the unit is shut down. At that time Vepco plans to transfer 52 fuel elements to the pool for storage.

It is important that the new racks be installed in the pool before any irradiated fuel is stored there. At present, since irradiated fuel has never been stored in the pool, the new racks can be installed while the pool contains no water, the workers will not be exposed to any radiation, and the old racks can be removed and disposed of without any special precautions. If Vepco has to install the racks after irradiated fuel has been stored in the pool, they will have to be installed with the assistance of divers while the pool is full of water. In addition, the workers will be exposed to radiation; based on our experience with the replacement of the Surry spent fuel racks, Vepco expects these workers to receive approximately 13 man-rem. The old racks will also have been exposed to radioactive contaminants and will have to be disposed of in accordance with NRC regulations for the disposal of radioactive wastes. Finally, we estimate that the additional cost to Vepco and its customers could be as much as \$400,000.

E. Ashby Baum
E. Ashby Baum

DATED: May 30, 1979

Signed and sworn to and before me by E. Ashby Baum
this 30 day of May, 1979.

Robert M. D. L.
Notary Public

My commission expires:

January 20, 1981

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