



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

NOV 20 1984

MEMORANDUM FOR: Thomas M. Novak, Assistant Director for Licensing, Division  
of Licensing

FROM: L. S. Rubenstein, Assistant Director for Core and Plant  
Systems, Division of Systems Integration

SUBJECT: REVIEW OF AFFIDAVIT OF CHAN VAN VO DAVIS

In response to a request from B. Buckley, the Auxiliary Systems Branch (ASB) reviewed Sections 5, 6, and 7 of the subject affidavit, which relate to cold-pulling a 24-inch feedwater pump discharge line. The Auxiliary Systems Branch concluded that the pipe in question did not perform a safety-related function and that failure of this pipe would not prevent bringing the plant to a cold shutdown mode. An ASB staff member, N. Wagner, prepared an affidavit (enclosed) which contains the bases for our conclusion.

*LS Rubenstein*

L. S. Rubenstein, Assistant Director  
for Core and Plant Systems  
Division of Systems Integration

Enclosure:  
As Stated

cc w/enclosure:

R. Bernero  
O. Parr  
J. Wilson ✓  
N. Wagner  
C. Barth  
B. Buckley  
G. Knighton

Contact:  
N. Wagner  
X29466

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BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

Docket Nos. 50-400 OL  
50-401 OL

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Commission I have been assigned to the Reactor Systems Branch, to the Systems Interaction Branch and to the Auxiliary Systems Branch at times and in the capacities shown below:

From January 1975 to approximately September 1980, I served as an engineer in the Reactor Systems Branch, with the title of Reactor Engineer. In that capacity I performed licensing case reviews, checking adherence of reactor systems in nuclear power plants to the rules and regulations stipulated by the Nuclear Regulatory Commission. In September of 1980 I was transferred to the newly formed Systems Interaction Branch where I, with other members of the branch, attempted to develop a systematic methodology for reviewing nuclear power plants for adverse system interactions. I was transferred back to the Reactor Systems Branch in July 1981 when the Systems Interaction Branch was dissolved, and then to the Auxiliary Systems Branch in December 1981 where I am presently; in this capacity my main effort is reviewing plant systems and assuring compliance of these systems with the rules and regulations of the Nuclear Regulatory Commission.

#### Response

I have reviewed the Affidavit of Mr. Chan Van Vo Davis dated October 6, 1984. Mr. Davis alleges on pages 5 and 6 of his Affidavit that a 24 inch carbon steel pipe was "cold pulled" to fit the pipe to the discharge nozzle steam generator feed-water pump 1A-NNS. This pump pumps water to the steam generators.

Figures 10.1.0-3 and 10.1.0-4 in the Shearon Harris Final Safety Analysis Report (Amendment 15) are flow diagrams which include the pump

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in issue. It does not appear that there is a 24" pipe attached to the pump's discharge nozzle. The pump appears to have an 18" discharge nozzle.

Pipes leading in and out of the steam generator feed-water pump 1A-NNS, and the pump itself, do not perform a safety-related function. Failure of that pump or its piping will not prevent bringing the Harris facility to a cold shutdown mode.

The concerns raised by Mr. Davis on pages 5 and 6 of his Affidavit relating to piping attached to steam generator feed-water pump 1A-NNS do not raise safety concerns for the facility. This is also evident from the pump's designation 1A-NNS. The NNS is the Applicants' nomenclature for non-nuclear safety equipment.

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Norman H. Wagner

Subscribed and sworn to before me  
this 7th day of November, 1984

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Edythe L. Becker, Notary Public

My commission expires: July 1, 1986

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