

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING APPEAL BOARD

In the Matter of )  
 )  
METROPOLITAN EDISON COMPANY ) Docket No. 50-289  
 ) (Restart)  
(Three Mile Island Nuclear )  
Station, Unit No. 1) )

AFFIDAVIT OF EDWARD G. WALLACE

County of Morris )  
 ) ss.  
State of New Jersey )

EDWARD G. WALLACE, being duly sworn according to law,  
deposes and states as follows:

1. I am the Manager, PWR Licensing, for GPU Nuclear Corporation. I am familiar with the schedule for installation of the hot leg high point vents at TMI-1 and the purpose for which these vents will be used once installed. The following information is true and accurate to the best of my knowledge and belief.

2. It is anticipated that the major pieces of equipment and other materials needed for installation of the vents will be received on site by the end of 1982.

3. The engineering effort for this modification was begun in December, 1980. The detailed design engineering is expected to be completed in January, 1983, with the issuance of engineering drawings for the piping supports and cable conduit.

4. Construction of all elements of the vent system will take approximately six months from the time engineering is completed, if one shift per day is utilized. If two shifts per day are employed in constructing this system, construction time would be reduced to four months, i.e., the earliest expected completion would be in May, 1983.

5. The construction effort associated with installation of the hot leg vent system is composed of the following elements:

A. Mechanical Installation

- i. Installation of approximately 100 feet of pipe and associated piping supports.
- ii. Mounting for four solenoid operated valves, four hydrostatic test valves and four block valves.
- iii. Mounting of two differential pressure transmitters, two orifice flow devices and two rupture discs.
- iv. Installation of a platform on top of the secondary shield wall "D" ring under which electrical cables will be run.

B. Electrical/Instrumentation Installation

- i. Installation of 120 seismic cable supports with anchor bolts.
- ii. Installation of approximately 1000 feet of cable conduit containing seven cables from the control room to the reactor building penetrations, eight cables from the penetrations to the valves, and four power and four instrument cables from the penetration to the differential pressure transmitters.

iii. Termination of cabling at valves, instrumentation, switches, main control panel and other internal wiring.

C. Inspection. This modification is classified as nuclear safety related and must be completely inspected by Quality Control personnel throughout construction.

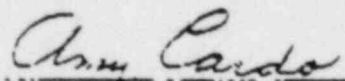
D. Testing. The hot leg vent system must be fully tested to demonstrate its operability and conformance to design requirements.

6. Construction of the hot leg vent system, as described in paragraph 5 above, requires considerable access to the containment and the control room and therefore cannot be in process concurrent with hot functional testing. The hot test program associated with steam generator repairs is scheduled to begin in March, 1983.

7. Upon completion and acceptance of the hot leg vent system, the only instructions provided to the control room operators for use of the vent system will be for inadequate core cooling situations, with non-condensable gases present in the primary system.

  
Edward G. Wallace

Subscribed to and sworn before  
me this 22nd day of November, 1982.

  
Notary Public

AMY C. CARDO  
NOTARY PUBLIC - NEW JERSEY  
My Commission Expires: June 24, 1986

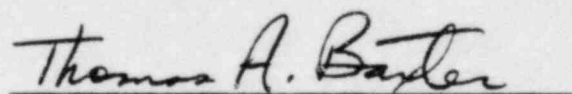
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CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing "Licensee's Response to Appeal Board Memorandum and Order of November 5, 1982" and "Affidavit of Edward G. Wallace" were served this 22nd day of November, 1982, by hand delivery upon the parties identified by an asterisk and by deposit in the U.S. mail, first class, postage prepaid, to the other parties on the attached Service List.

  
Thomas A. Baxter, P.C.

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