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MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

May 31, 1983

Mr. James G. Keppler
Regional Administrator, Region III
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

RE: Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Suppression Pool Stainless Steel
Cladding Sensitization [RDC 19(80)]

Dear Mr. Keppler:

This letter is written to amend the final report on the suppression pool issue to be in accordance with the plan of action discussed with Mr. Ray Cilimberg of NRC Region III during his March 14-15, 1983, inspection. The plan of action detailed here outlines the monitoring program and proposed corrective action to be taken should crevice corrosion occur in the cladding fissures adjacent to weld seams in the Perry suppression pools.

The monitoring program will consist of the following phases:

1. Periodic visual examination of the Suppression Pool welds will be performed from the elevation 599'9" platform. If corrosion effects are observed either directly or through the other phases of the monitoring program, additional visual inspection will be performed by using an underwater TV camera or boroscope to further assess the condition.
2. Surveillance specimens of preconditioned 304 clad carbon steel plate will be installed in the pool.
3. Electrochemical potential monitoring of the fissured heat affected zones of select pool welds will be performed.

In the unlikely event corrosion notch progression is noted, a localized coating system which has already been investigated will be applied to the suppression pool welds.

On March 18, 1983, following the exit meeting with the NRC Inspector, discussions were held with Dr. MacDonald of the Ohio State University's Fontana Corrosion Center on the requirements for both the electrochemical potential monitoring and metallurgical examination phases of the program.

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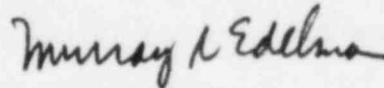
May 31, 1983

Subsequent to this meeting, the Project Organization placed on order 304 stainless clad carbon steel plate material which is typical of that used in construction of the first two containment vessel shell courses. Samples of this plate material will be preconditioned to be representative of fissured and non-fissured containment weld heat affected zones. These metallurgical specimens will be mounted in the pool and periodically inspected for crevice corrosion progression.

Currently, preliminary sketches detailing the hardware required for both the metallurgical sample supports and the electrochemical monitoring supports have been developed and engineering drawings requested. Installation of this support hardware in the Unit #1 Suppression Pool is targeted for the Fall of 1983.

We are continuing to work with Dr. MacDonald on the establishment of monitoring criteria. The Project should have the complete program in place by the Spring of 1984. We will continue to keep you informed on the further development of the suppression pool monitoring program.

Sincerely,



Murray R. Edelman
Vice President
Nuclear Group

MRE:pab

cc: Mr. M. L. Gildner
NRC Site Office

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