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JOSEPH A. TIERNAN
VICE PRESIDENT
NUCLEAR ENERGY

May 1, 1987

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Reactor Vessel Level Monitoring System Implementation of Inadequate
Core Cooling Instrumentation

- REFERENCES:
- (a) Letter from Mr. J. R. Miller (NRC), to Mr. A. E. Lundvall, Jr. (BG&E), dated January 22, 1985, Inadequate Core Cooling Instrumentation System Evaluation and Request for Additional Information
 - (b) Letter from Mr. A. E. Lundvall, Jr. (BG&E), to Mr. E. J. Butcher, Jr. (NRC), dated July 1, 1985, Inadequate Core Cooling Instrumentation
 - (c) Letter from Mr. A. E. Lundvall, Jr. (BG&E), to Mr. E. J. Butcher, Jr. (NRC), dated June 19, 1985, Confirmation of Reg. Guide 1.97 Implementation Schedule
 - (d) Letter from Mr. S. A. McNeil (NRC), to Mr. J. A. Tiernan (BG&E), dated February 9, 1987, Safety Evaluation

Gentlemen:

In Reference (a) you asked us to submit information regarding implementation of the reactor vessel level monitoring system (RVLMS). We informed you the information for Unit 2 would be submitted by May 1, 1987 (Reference b). Since then, RVLMS implementation has proceeded on schedule and the requested information is provided in Attachment A.

Implementation of the upgraded core exit thermocouples (CETs) for Unit 2 is continuing on the schedule described in Reference (c), with one exception. We stated the CET system would be operational by the end of the fall 1988 refueling outage, one outage after installation. As a result of adopting 24-month fuel cycles, the fall 1988 refueling outage will shift to spring 1989.

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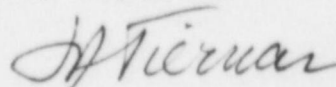
Document Control Desk
May 1, 1987
Page 2

The implementation report for Unit 2's CET system will be provided in spring 1989. We cannot provide the implementation report with the reload design report as you suggested in Reference (d). Design reports must be submitted at least 90 days prior to startup, but the implementation report must reference work that is done during the outage. Therefore, the implementation report would be incomplete if submitted before work was complete. We will submit the implementation report near the end of the outage, but prior to startup.

For Unit 1, both the RVLMS and CET system will be included in the May 1, 1988 implementation report.

Should you have any questions concerning our schedule or the information in Attachment A, please do not hesitate to contact us.

Very truly yours,



JAT/WPM/dlm

Attachment

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
R. A. Capra, NRC
S. A. McNeil, NRC
W. T. Russell, NRC
T. Foley/D. A. Trimble, NRC

ATTACHMENT A
IMPLEMENTATION REPORT
REACTOR VESSEL LEVEL MONITORING SYSTEM, UNIT 2

Status

The system was installed during the fall 1985 refueling outage. Functional testing and calibration are complete. Test results are available for inspection.

Functional Test Results

The system performs in accordance with design expectations and within design error tolerances.

Deviations of As-Built System From Design

Pin-hole leaks in the BOA flexible conduit between the Q-panels and electrical penetrations were discovered after installation. Preliminary tests conducted by the vendor indicate the environmental qualification of the cables is not compromised. We will evaluate the vendors data. You will be informed if subsequent tests or analyses contradict this determination. The vendor has agreed to repair and/or replace the conduit having pin-hole leaks at the next refueling outage.

Technical Specifications

An amendment request to add the RVLMS to Unit 2's Technical Specifications will be submitted shortly after startup from the current refueling outage.

Procedures

The Emergency Operating Procedures (EOPs) have been revised and now include the RVLMS. Operators have been trained. The EOPs were revised using CEN-152, Combustion Engineering Emergency Procedure Guidelines, and our Procedures Generations Package.