

CATEGORY 1

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SUBJECT: Documents interim engineering evaluation of NDE results
 obtained during follow-up CRDM nozzle insp at ONS Unit 2 in
 Apr 1996. Nonproprietary "Interim Engineering Evaluation: ONS
 Unit 2 1996 CRDM Nozzle Insp" encl.

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DUKE POWER

April 30, 1996

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Oconee Nuclear Station (ONS)
Docket No. 50-270
Interim Engineering Evaluation of Control Rod
Drive Mechanism (CRDM) Penetration Inspections,
Unit 2

Gentlemen:

This letter documents an interim engineering evaluation of the non-destructive examination (NDE) results which were obtained during the follow-up CRDM nozzle inspection performed at ONS Unit 2 in April, 1996. Based on the attached interim engineering evaluation, it has been determined that the indications which were detected during the initial 1994 inspection exhibited no significant changes. Therefore, the CRDM nozzles remain acceptable for two operating cycles since the nozzles meet the NRC-approved acceptance criteria developed for CRDM nozzle flaws.

This follow-up CRDM nozzle inspection was completed to fulfill NRC commitments contained in a Duke Power Company (Duke) letter dated November 2, 1994. The November 2, 1994, letter documented the engineering evaluation which was based on the initial 1994 CRDM nozzle inspection, along with commitments to reinspect CRDM Nozzle #23 and evaluate the need to reinspect CRDM Nozzle # 63. Accordingly, reinspections on CRDM Nozzles #23 and #63 were completed to address the commitments provided in the November 2, 1994 letter.

Duke is reviewing the recommendations discussed in Section 5 of the 1996 interim engineering evaluation. Prior to the

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Unit 2 End-of-Cycle 17 refueling outage, a decision will be made regarding a long term plan for disposition of the indications on CRDM Nozzles #23 and #63. We will provide your staff with the long term plan as it is developed.

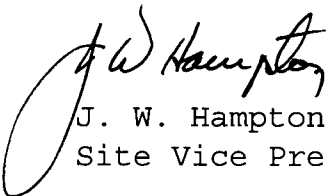
In addition to the interim engineering evaluation provided in Attachment 1, the following documents are also provided as supporting information in Attachment 2:

- Letter dated April 14, 1996, documenting an Electric Power Research Institute (EPRI) review of essential variables during the CRDM Nozzle Inspection.
- CRDM Nozzle Eddy Current Inspection Results.
- CRDM Liquid Penetrant (PT) Examination Results.
- Photographs from video of PT Examination review.

If the quality of the photographs is not sufficient to support your review, an edited video will be forwarded at your request. This video will provide higher quality than the photographs.

If you have any questions or comments regarding the interim engineering evaluation, please contact David Nix at (864) 885-3634 or Framatome Nuclear Technologies via Mr. Nix.

Sincerely,

A handwritten signature in dark ink, appearing to read "J. W. Hampton". The signature is fluid and cursive, with a large loop at the beginning.

J. W. Hampton
Site Vice President

Attachments

cc: Mr. S. D. Ebnetter
Regional Administrator, Region II

Mr. P. E. Harmon
Senior Resident Inspector

Mr. D. E. LaBarge
ONRR, Project Manager

Mr. M. Batavia
DHEC

ATTACHMENT 1

Interim Engineering Evaluation for ONS Unit 2 1996 CRDM
Inspection