



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 30, 2012

Mr. Joseph W. Shea
Manager, Corp. Nuclear Licensing Programs
Tennessee Valley Authority
1101 Market Street, LP 4B-C
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT: REQUEST FOR ADDITIONAL
INFORMATION REGARDING LICENSE RENEWAL COMMITMENT TO
SUBMIT IMPLEMENTING PROCEDURES FOR THE UNIT 1 PERIODIC
INSPECTION PROGRAM (TAC NO. ME7126)

Dear Mr. Shea:

By letter dated April 21, 2006, the Tennessee Valley Authority (TVA) submitted Commitment No. 49 to develop and submit to the U.S. Nuclear Regulatory Commission (NRC), the implementing procedures for the Unit 1 Periodic Inspection Program. By letter dated April 23, 2007, TVA submitted implementing procedure 1-TI-521, "Unit 1 Periodic Inspection Program for License Renewal."

To verify completion of the commitment, the staff requested additional information which is shown in the enclosure. A date for the response is within 30 days from the date of this letter. If you have any questions, please contact me by telephone at 301-415-4054 or by email at Heather.Jones@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Heather Jones", with a long horizontal flourish extending to the right.

Heather M. Jones, Project Manager
Program Operations Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-259

Enclosure:
As stated

cc w/encl: Listserv

OFFICE OF NUCLEAR REACTOR REGULATION

REQUEST FOR ADDITIONAL INFORMATION

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT, UNIT 1

DOCKET NO. 50-259

1. By letter dated April 21, 2006, the Tennessee Valley Authority (TVA) submitted Commitment No. 49 to develop and submit to the U.S. Nuclear Regulatory Commission, the implementing procedures for the Unit 1 Periodic Inspection Program. By letter dated April 23, 2007, TVA submitted implementing procedure 1-TI-521, "Unit 1 Periodic Inspection Program for License Renewal."

In the procedure, the licensee stated that no candidate piping was identified for the stainless steel/raw water population, because all the pipe diameters were 1 inch or smaller, making ultrasonic testing (UT) measurements impractical. The licensee also stated that only nine inspection locations were identified for the stainless steel/treated water grouping, because the piping was either of small diameter or had been replaced. The license renewal application aging management program stated that the inspection sample is based on 95/95 assurance criterion (95 percent confidence level that 95 percent of a population is not experiencing degradation), which would specify a maximum of 59 inspection locations for an infinite lot size.

It does not appear that implementing procedure 1-TI-521 contains any inspections for the stainless steel/raw water material-environment population and only a limited number of inspections for the stainless steel/treated water population. Describe the alternative aging management approach that will be taken for small-diameter stainless steel piping under the Unit 1 Periodic Inspection Program as a result of limitations of the UT inspection technique.

ENCLOSURE

March 30, 2012

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Tennessee Valley Authority
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/RA/

Heather M. Jones, Project Manager
Program Operations Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-259

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As stated

cc w/encl: Listserv

DISTRIBUTION: See next page
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NAME	YEdmonds	HJones	YDiaz-Sanabria
DATE	3/27/2012	3/27/2012	3/30/2012

OFFICIAL RECORD COPY

Letter to Mr. Shea from H. Jones dated March 30, 2012

SUBJECT: BROWNS FERRY NUCLEAR PLANT: REQUEST FOR ADDITIONAL
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