



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

February 28, 2014

Mr. Joseph W. Shea
Vice President - Nuclear Licensing
Tennessee Valley Authority
1101 Market Street, LP 3D-C
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3 - REQUEST FOR ADDITIONAL INFORMATION REGARDING PROPOSED TECHNICAL SPECIFICATION CHANGE TO REVISE THE LEAKAGE RATE THROUGH MAIN STEAM ISOLATION VALVES – TS-485 (TAC NOS. MF3124, MF3125, AND MF3126)

Dear Mr. Shea:

By letter dated November 22, 2013, Tennessee Valley Authority (TVA, the licensee) requested amendments to Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68 for the Browns Ferry Nuclear Plant Units 1, 2, and 3 respectively. The licensee proposed a technical specification change to revise the leakage rate through the main steam isolation valves.

A response to the enclosed request for additional information (RAI) is needed before the Nuclear Regulatory Commission (NRC) staff can complete the review. This request was discussed with Mr. William Gordon of your staff on February 7, 2014, and it was agreed that TVA would respond by March 21, 2014. The NRC staff considers that timely responses to RAIs help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources.

If you have any questions, please contact me by phone at (301) 415-1447 or e-mail at Farideh.Saba@nrc.gov.

Sincerely,

A handwritten signature in black ink that reads "Farideh E. Saba".

Farideh E. Saba, Senior Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, and 50-296

Enclosure:
Request for Additional Information

cc: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION (RAI)
PROPOSED TECHNICAL SPECIFICATION CHANGE TO REVISE
THE LEAKAGE RATE THROUGH MAIN STEAM ISOLATION VALVES – TS-485
TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3
DOCKET NOS. 50-259, 50-260, AND 50-296

By letter dated November 22, 2013 (Agencywide Documents Access Management System Accession No. ML14015A403), Tennessee Valley Authority requested amendments to Renewed Facility Operating License Numbers DPR-33, DPR-52, and DPR-68 for the Browns Ferry Nuclear Plant (BFN), Units 1, 2, and 3, respectively. The licensee proposed a technical specification change to revise the leakage rate through the main steam isolation valves.

Background

The primary and secondary Alternate Leakage Treatment pathway share a common passive valve, FCV-1-57, which is normally open with power removed. This represents a single point failure for both systems.

BFN Units 1, 2, and 3 Inservice Testing (IST) Program is currently operating in its fourth interval with the Code of Record of American Society of Mechanical Engineers, Operating and Maintenance Code, 2004 Edition through 2006 Addenda. The BFN IST program has determined that the FCV-1-57 valve is a passive, Category B type valve due to the fact that it is normally open with power removed during normal operation.

The FCV-1-57 is a motor-operated valve that fails as is. The IST program requirement for a passive Category B valve is position indication verification per section ISTC-3700, which states "Valves with remote position indicators shall be observed locally at least once every 2 years to verify that valve operation is accurately indicated. Where practicable, this local observation should be supplemented by other indications, such as use of flowmeters or other suitable instrumentation to verify obturator position. These observations need not be concurrent. Where local observation is not possible, other indications shall be used for valve operation."

RAIs

- 1) Please explain how BFN is meeting the requirement of ISTC-3700 for valve FCV-1-57.
- 2) Please explain how valve stem and disc integrity of valve FCV-1-57 is being monitored and maintained.

Enclosure

February 28, 2014

Mr. Joseph W. Shea
Vice President - Nuclear Licensing
Tennessee Valley Authority
1101 Market Street, LP 3D-C
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3 - REQUEST FOR ADDITIONAL INFORMATION REGARDING PROPOSED TECHNICAL SPECIFICATION CHANGE TO REVISE THE LEAKAGE RATE THROUGH MAIN STEAM ISOLATION VALVES – TS-485 (TAC NOS. MF3124, MF3125, AND MF3126)

Dear Mr. Shea:

By letter dated November 22, 2013, Tennessee Valley Authority (TVA, the licensee) requested amendments to Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68 for the Browns Ferry Nuclear Plant Units 1, 2, and 3 respectively. The licensee proposed a technical specification change to revise the leakage rate through the main steam isolation valves.

A response to the enclosed request for additional information (RAI) is needed before the Nuclear Regulatory Commission (NRC) staff can complete the review. This request was discussed with Mr. William Gordon of your staff on February 7, 2014, and it was agreed that TVA would respond by March 21, 2014. The NRC staff considers that timely responses to RAIs help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources.

If you have any questions, please contact me by phone at (301) 415-1447 or e-mail at Farideh.Saba@nrc.gov.

Sincerely,

/RA/

Farideh E. Saba, Senior Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, and 50-296

Enclosure:
Request for Additional Information

cc: Distribution via Listserv

DISTRIBUTION:

PUBLIC

RidsNrrDorlDpr Resource

RidsRgn2MailCenter

MFarnan, NRR

LPL2-2 R/F

RidsNrrDorlLpl2-2

RidsNrrLABClayton

RidsAcrsAcnwMailCenter

RidsNrrPMBrownsFerry

RidsNrrDeEpnb

ADAMS Accession No.: ML14051A726

*by email

OFFICE	LPL2-2/PM	LPL2-2/LA	DE/EPNB/BC*	LPL2-2/BC
NAME	FSaba	BClayton	TLupold	JQuichocho (LRegner for)
DATE	02/24/14	02/21/14	02/05/14	02/28/14

OFFICIAL RECORD COPY