



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

September 22, 2015

LICENSEE: Tennessee Valley Authority

FACILITY: Sequoyah Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JULY 22, 2015, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND TENNESSEE VALLEY AUTHORITY, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION, SET 25 PERTAINING TO THE SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2 LICENSE RENEWAL APPLICATION (TAC NOS. MF0481 AND MF0482)

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Tennessee Valley Authority (TVA or the applicant) held a telephone conference call on July 22, 2015, to discuss and clarify the staff's draft requests for additional information (DRAIs) provided in Enclosure 2 concerning the Sequoyah Nuclear Plant, Units 1 and 2, license renewal application. The telephone conference call was useful in clarifying the intent of the staff's DRAIs.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains the DRAIs discussed with the applicant, including a brief summary of the clarification discussion.

Sincerely,

/RA/

Phyllis Clark, Acting Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosures:

1. List of Participants
2. Summary of Telephone Conference Call

cc: Listserv

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Memo to Tennessee Valley Authority from P. Clark dated September 22, 2015

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J. Trapp, NRR/DORL/ADDIR

J. Danna, NRR/DLR/RPB2

E. Sayoc, NRR/DLR/RPB1

D. Drucker, NRR/DLR/RPB2

S. Helton, NRR/DORL/LPL2-2

A. Hon, NRR/DORL/LPL2-2

A. Gody, RII/DRS/DIR

S. Walker, RII/DRS/EB3

A. Blamey, RII/DRP/RPB6

G. Smith, RII/DRP/RPB6

W. Deschaine, RII/DRP/RPB6

J. Pelchat, RII/Sr Regional Gov't Liaison Officer

E. Lea, RII/Regional Gov't Liaison Officer

D. Decker, OCA

R. Hannah, OPA/PA-RII

J. Ledford, OPA/PA-RII

TELEPHONE CONFERENCE CALL
SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
July 22, 2015

PARTICIPANTS

AFFILIATION

Phyllis Clark	U.S. Nuclear Regulatory Commission (NRC)
Seung Min	NRC
Chris Reneau	Tennessee Valley Authority (TVA)
James Hodge	TVA
Tom Hess	TVA
Dennis Lundy	TVA
Terry Woods	TVA

SUMMARY OF TELEPHONE CONFERENCE CALL
SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION
July 22, 2015

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Tennessee Valley Authority (TVA or the applicant) held a telephone conference call on July 22, 2015, to discuss and clarify the following draft requests for additional information (DRAIs) concerning the Sequoyah Nuclear Plant, Units 1 and 2 license renewal application (LRA).

RAI 3.0.3.2.17-1a

(Surveillance Capsule Operating Experience Followup) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15159B164)

Background:

During Refueling Outage No. 20 at Sequoyah Nuclear Plant (SQN), Unit 1, inservice inspections of the reactor vessel internals (RVI) revealed that two reactor pressure vessel (RPV) surveillance capsules had become dislodged from their baskets and that capsule pieces or specimens from at least one of these capsules had become loose inside the Unit 1 RPV. Apparent damage to some RVI components was noted by TVA.

Issue:

Any damage to RVI components should be assessed to demonstrate that stress profiles for the damaged components remains bounded by those assumed for the as-built component configurations in the applicable Materials Reliability Program (MRP) reports; this is regardless of whether the damage was induced by an age-related aging effect.

In addition, the staff is concerned that any damage that occurred from the impacts of the loose parts (e.g., causing cold work to the affected components) could create a preferential site for initiation of degradation, such as stress corrosion cracking, during the period of extended operation. Evaluation should adequately address the use of future examinations of the damaged locations using inspection methods that will address this issue.

Request:

1. Provide an adequate technical justification for not considering the potential effects of loose part-induced cold work on the likelihood of degradation of the damaged reactor internals, in particular the long term prospects for initiation of stress corrosion cracking in the damaged internals.
2. Provide a basis for not performing subsequent re-inspections of the damaged locations of the Unit 1 reactor internals using inspection methods that will effectively address impact-related damage.

ENCLOSURE 2

Discussion:

The staff clarified that the updated final safety analysis report supplement (Licensing Renewal Application Section A.1.35) should be consistent with Commitment No. 28. In addition, the staff clarified inspection methods such as the use of visual inspection of capsules and capsule baskets as part of a corrective action for the event.

The revised due date for the response to the draft Request for Additional Information (RAI) is August 3, 2015.