



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 20, 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 20, 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

September 22, 2015

LICENSEE: Tennessee Valley Authority  
FACILITY: Sequoyah Nuclear Plant, Units 1 and 2  
SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JULY 20, 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 20, 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

DISTRIBUTION:

See next page

ADAMS Accession Number: **ML15233A035**

\*Concurred via e-mail

OFFICE	LA:DLR*	PM:RPB1:DLR	PM:RPB1:DLR	BC:RPB1:DLR	PM:RPB1:DLR
NAME	YEdmonds	PClark	ESayoc	YDiaz-Sanabria	PClark
DATE	09/ 02 /15	09/ 09 /15	09/ 09 /15	09/ 11 /15	09/ 22 /15

**OFFICIAL RECORD COPY**

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

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JULY 20, 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)

DISTRIBUTION:

**HARD COPY:**

DLR RF

**E-MAIL:**

PUBLIC

RidsNrrDir Resource

RidsNrrDirRpb1 Resource

RidsNrrDirRpb2 Resource

RidsNrrDirRerb Resource

RidsNrrDirRarb Resource

RidsNrrDirRasb Resource

RidsNrrPMSequoyah Ressource

-----  
A. Boland, NRR/DORL/DIR

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 20, 2015

<u>PARTICIPANTS</u>	<u>AFFILIATION</u>
Phyllis Clark	U.S. Nuclear Regulatory Commission (NRC)
Yaira Diaz-Sanabria	NRC
Dennis Morey	NRC
Allen Hiser	NRC
Seung Min	NRC
James Medoff	NRC
John Daily	NRC
Erin Henderson	Tennessee Valley Authority (TVA)
Mike McBrearty	TVA
Don Goodin	TVA
Dennis Lundy	TVA
Terry Woods	TVA
Dave Lafever	TVA
Josh McKinley	Westinghouse
Eric Benacquista	WH
Charles Meyer	WH

SUMMARY OF TELEPHONE CONFERENCE CALL  
SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2  
LICENSE RENEWAL APPLICATION  
July 20, 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 20, 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 superficial scratches or surface abrasion are not the concern. Qualitative and quantitative information may be needed for components with deep scratches. In addition, the staff clarified that discussions on inspections and monitoring for possible future damage from remaining loose parts. The staff also clarified that the updated final safety analysis report supplement (Licensing Renewal Application Section A.1.35) should be consistent with Commitment No. 28.

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