

November 1, 2004

Mr. Karl W. Singer
Chief Nuclear Officer and
Executive Vice President
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2 AND 3, LICENSE RENEWAL
APPLICATION (TAC NOS. MC1704, MC1705 AND MC1706)

Dear Mr. Singer:

By letter dated December 31, 2003, Tennessee Valley Authority (TVA) submitted an application pursuant to 10 CFR Part 54, to renew the operating licenses for the Browns Ferry Nuclear Plant, Units 1, 2 and 3, for review by the U.S. Nuclear Regulatory Commission (NRC). The NRC staff is reviewing the information contained in the license renewal application (LRA) and has identified areas where additional information is needed to complete the review. Specifically, the enclosed requests for additional information (RAIs) are related to the Electrical and Instrumentation & Control Systems (I&C), Section 2.5.

Based on discussions with Ken Brune of your staff, a mutually agreeable date for your response to the RAIs is within 30 days from the date of this letter. If you have any questions regarding this letter or if circumstances result in your need to revise the response date, please contact me at 301- 415-1594 or by e-mail at yks@nrc.gov.

Sincerely,

/RA/

Yaira K. Diaz-Sanabria, Project Manager
License Renewal Section A
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

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

Enclosure: As stated

cc w/encl: See next page

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ADAMS Accession no. ML043060492
DISTRIBUTION: See next page
*Input provided by memo
Document Name: E:\Filenet\ML043060492.wpd

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DATE	10/29/04	10/29/04	10/29/04	9/27/04	11/1/04

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DISTRIBUTION: Dated: November 1, 2004 Accession No.: ML043060492

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**BROWNS FERRY NUCLEAR, UNITS 1, 2 AND 3
LICENSE RENEWAL APPLICATION
REQUEST FOR ADDITIONAL INFORMATION (RAI)
ELECTRICAL AND INSTRUMENTATION AND CONTROL SYSTEMS
SECTION 2.5**

RAI 2.5-1

Section 2.5.1 of the LRA states that scoping and screening of electrical and I&C components was performed using the “spaces” approach described in Section 2.1. Were all plant spaces evaluated under this methodology? If any spaces were excluded from evaluation identify those spaces that were excluded and provide the reason why each space was excluded.

RAI 2.5-2

Section 2.5.1 of the LRA states that if a component in a commodity group existed in an area where the area conditions exceeded the commodity group’s limiting environmental parameters, a further evaluation could be performed to determine if the component was required for an in-scope system’s intended function. Identify all the components that were excluded from the scope of license renewal as a result of these further evaluations and provide the basis used for excluding each component.

RAI 2.5-3

On the three license renewal drawings identified in LRA Section 2.5.1 that depict the recovery path for station blackout (SBO), identify the location of each commodity group component in the recovery path circuit. Do the SBO recovery path circuits include the control circuit wiring that is associated with the power circuits shown on the drawings? If not, why? Are there any underground power circuits used in the SBO recovery paths? If so, were they identified as requiring an AMR? If not, why?

RAI 2.5-4

During a telephone conference held on July 28, 2004, in response to draft request for additional information, D-RAI 3.6-3, the applicant stated that in 1997 a XLPE insulated CCWP capacitor bank cable failed in-service at BFN. Why were these cables not included within the scope of license renewal and identified as a component that requires an AMR?

Tennessee Valley Authority

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cc:

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