

June 28, 2004

LICENSEE: Tennessee Valley Authority

FACILITY: Browns Ferry Nuclear Plant Units 1, 2 and 3

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE ON MAY 27, 2004, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND THE TENNESSEE VALLEY AUTHORITY CONCERNING DRAFT REQUESTS FOR ADDITIONAL INFORMATION ON BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2 AND 3 LICENSE RENEWAL APPLICATION (TAC NOS. MC1704, MC1705 AND MC1706)

The U.S. Nuclear Regulatory Commission staff and representatives of Tennessee Valley Authority (TVA or the applicant) held a telephone conference on May 27, 2004, to discuss the draft requests for additional information (D-RAIs) related to Section 2.3.3.6 of the Browns Ferry Nuclear Plant (BFN) license renewal application.

The conference call was useful in clarifying the intent of the staff's questions. On the basis of the discussion, the applicant was able to understand the staff's questions. No staff decisions were made during the telephone conference. In some cases, the applicant agreed to provide information for clarification.

Enclosure 1 contains a listing of the D-RAIs discussed with the applicant, including a brief draft response and description on the status of the items. Enclosure 2 provides a list of the telephone conference participants. The applicant has had an opportunity to comment on this summary.

*/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

Enclosures: As stated

cc w/enclosures: See next page

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**/RA/**

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**BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2 AND 3  
LICENSE RENEWAL APPLICATION  
DRAFT REQUEST FOR ADDITIONAL INFORMATION (D-RAI)  
SCOPING OF FIRE PROTECTION SYSTEMS AND COMPONENTS**

**Section 2.3.3.6 High Pressure Fire Protection System**

**D-RAI 2.3.3.6-1**

The system description of the high pressure fire protection system in Section 2.3.3.6 includes fixed water spray systems. Such systems typically utilize water spray nozzles. LRA Table 2.3.3.6 does not include water spray nozzles as a component subject to an AMR. Indicate whether the fixed water spray systems use spray nozzles other than the sprinkler heads. If so, the nozzles, which have an intended to support the system function, are passive and long lived and should be subject to an AMR.

**Discussion:** The applicant indicated that the question is clear. This D-RAI will be sent as a RAI.

**D-RAI 2.3.3.6-2**

The system description of the high pressure fire protection system in Section 2.3.3.6 includes detection and all AMR devices that automatically initiate the system or prompt manual fire fighting. These devices are not identified. Identify what these devices are and where they are included in the AMR.

**Discussion:** The applicant indicated that the question is clear. This D-RAI will be sent as a RAI.

**D-RAI 2.3.3.6-3**

License renewal drawing 1-47E850-1-LR shows the boundary of the high pressure fire protection water system is the service building wall. The boundary shown is not at an isolated pressure boundary (e.g., a valve or blank flange). Justify why the service building portions of the system are not in scope.

**Discussion:** The applicant indicated that the question is clear. This D-RAI will be sent as a RAI.

**D-RAI 2.3.3.6-4**

Drawing 3-47E850-5-LR identifies a water curtain around the equipment hatch at Elevation 565'. Table 9.3.11.B in Volume 1 of the Fire Protection Report lists water curtains for the RHR Pump Room equipment hatches at Elevation 541'. The license renewal drawings do not show anything on Elevation 541'. Clarify that the water curtain protection for the RHR Pump Room equipment hatches is in scope, and identify where they are located on the license renewal drawings.

**Discussion:** The applicant indicated that the question is clear. This D-RAI will be sent as a RAI.

### **Section 2.3.3.12 Carbon Dioxide System**

#### **D-RAI 2.3.3.12-1**

The carbon dioxide (CO<sub>2</sub>) system addressed in this section typically requires discharge nozzles to achieve the proper flow rate. The system description and LRA Table 2.3.3.12 do not include any reference to discharge nozzles. Indicate whether this system includes discharge nozzles. If so, the nozzles, which have an intended function of flow control, are passive and long lived and should be subject to an AMR.

**Discussion:** The applicant indicated that the question is clear. This D-RAI will be sent as a RAI.

#### **D-RAI 2.3.3.12-2**

The system description of the CO<sub>2</sub> system in LRA Section 2.3.3.12 includes detection and all AMR devices that automatically initiate the system or prompt manual fire fighting. These devices are not identified. Identify what these devices are and where they are included in the AMR.

**Discussion:** The applicant indicated that the question is clear. This D-RAI will be sent as a RAI.

**LIST OF PARTICIPANTS FOR TELEPHONE CONFERENCE ON  
DRAFT REQUESTS FOR ADDITIONAL INFORMATION**

**May 27, 2004**

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