



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

CNL-18-008

January 11, 2018

10 CFR 50.4

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Browns Ferry Nuclear Plant, Units 1, 2, and 3  
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68  
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: **TENNESSEE VALLEY AUTHORITY (TVA) - BROWNS FERRY NUCLEAR PLANT ANCHOR DARLING DOUBLE DISC GATE VALVE COMMITMENT REVISION**

Reference: TVA letter to NRC, "Tennessee Valley Authority - Anchor Darling Double Disc Gate Valve Information and Status," dated December 28, 2017 (ML17362A566)

In the Reference letter dated December 28, 2017, TVA provided a listing of the Anchor Darling double disc gate valve (ADDDGV) population with active safety functions along with relevant valve information, including the results of susceptibility evaluations and repair status, for the Browns Ferry Nuclear Plant, Units 1, 2, and 3; and the Sequoyah Nuclear Plant, Units 1 and 2. The Reference letter also confirmed that Watts Bar Nuclear Plant (WBN), Units 1 and 2, does not use ADDDGVs to support any active safety function.

The purpose of this letter is to provide updated commitments regarding the BFN Units 1, 2, and 3, ADDDGV motor-operated valves that are categorized as "Susceptible" and "Not Repaired" in Enclosure 1 of the Reference letter. TVA, based on continued evaluation, has determined feasible repair schedules for these valves and is revising the BFN commitments accordingly.

The Enclosure to this letter reflects the revised commitments for BFN Units 1, 2, and 3 for the ADDDGV issue. These commitments supersede Commitment 4 in Enclosure 3 of the Reference letter.

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TVA may modify these commitments should additional technical information or repair methods become available to justify such action.

If you have any questions regarding this submittal, please contact Russell Thompson at (423) 751-2567.

Respectfully,

**J. W. Shea**  
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J. W. Shea  
Vice President, Nuclear Regulatory Affairs and Support Services

Enclosure: Summary of Commitments

cc (Enclosure):

NRR Director - NRC Headquarters  
NRC Regional Administrator - Region II  
NRC Project Manager - Browns Ferry Nuclear Plant  
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant

Enclosure  
Summary of Commitments

1. TVA will repair the following BFN Unit 1 Anchor Darling double disc gate valve MOVs no later than the Fall 2022 refueling outage: 1-FCV-068-0003, 1-FCV-068-0079, 1-FCV-075-0009, and 1-FCV-075-0037.
  
2. TVA will repair the following BFN Unit 2 Anchor Darling double disc gate valve MOVs no later than the Spring 2021 refueling outage: 2-FCV-068-0003, and 2-FCV-068-0079.
  
3. TVA will repair the following BFN Unit 3 Anchor Darling double disc gate valve MOVs no later than the Spring 2022 refueling outage: 3-FCV-068-0003, and 3-FCV-068-0079.