



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

CNL-15-138

August 28, 2015

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

Sequoyah Nuclear Plant, Units 1 and 2
Facility Operating License Nos. DPR-77 and DPR-79
NRC Docket Nos. 50-327 and 50-328

Watts Bar Nuclear Plant, Unit 1
Facility Operating License No. NPF-90
NRC Docket No. 50-390

Subject: **Tennessee Valley Authority Nuclear Power Group Response to NRC
Regulatory Issue Summary 2014-13 Planned Licensing Action Submittals
for All Power Reactor Licensees**

The purpose of this letter is to provide the Nuclear Regulatory Commission (NRC) staff with the Tennessee Valley Authority (TVA) voluntary response to the NRC Regulatory Issue Summary (RIS) 2014-13 that requested power reactor licensees to voluntarily provide information regarding the number of planned licensing actions to be submitted for NRC review in the next three calendar years and the planned power uprates that will be submitted in the next five calendar years.

Enclosures 1, 2, and 3, to this letter provide the estimated licensing actions for Browns Ferry Nuclear Plant Units 1, 2, and 3, Sequoyah Nuclear Plant Units 1 and 2, and Watts Bar Nuclear Plant, Unit 1, respectively. Watts Bar Nuclear Plant, Unit 2 has not received its operating license; therefore planned Watts Bar Unit 2 licensing actions are not included in this submittal. Enclosure 4 provides the planned power uprate application information for the Browns Ferry Nuclear Plant Units 1, 2, and 3. As noted in RIS 2014-13, licensee responses to this request are not binding and can be updated as needed.

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There are no new regulatory commitments contained in this letter. Should you have any questions, please contact Russ Wells at (423) 751-8130.

Respectfully,



J. W. Shea
Vice President, Nuclear Licensing

RDW: EDS
Enclosures

1. Tables of Estimated Licensing Actions for Browns Ferry Nuclear Plant, Units 1, 2, and 3
2. Tables of Estimated Licensing Actions for Sequoyah Nuclear Plant, Units 1 and 2
3. Tables of Estimated Licensing Actions for Watts Bar Nuclear Plant, Unit 1
4. Plans for Power Upgrades

cc (Enclosures):

NRC Regional Administrator - Region II
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant
NRC Senior Resident Inspector - Sequoyah Nuclear Plant
NRC Senior Resident Inspector - Watts Bar Nuclear Plant
NRR Project Manager - Browns Ferry Nuclear Plant
NRR Project Manager - Sequoyah Nuclear Plant
NRR Project Manager - Watts Bar Nuclear Plant
Tracy Orf, NRC Division of Operating Reactor Licensing Technical Assistant,
Mail Stop O-C2

ENCLOSURE 1

Table of Estimated Licensing Actions¹

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					
Licensing Action Number	Licensing Action	Licensing Action Description	Projected Submittal Date	Outage Related? If so, Date Needed	Comments (As Needed)
1	Relief Request (RR)	RR for Unit 2 Reactor Vessel Circumferential Weld	09/16/2015	No	
2	License Amendment Request (LAR)	Revise Technical Specification (TS) Section 3.3.5.1, Emergency Core Cooling System (ECCS) Preferred Pump Logic	09/16/2015	No	
3	RR	RR for Unit 3 Reactor Vessel Circumferential Weld	09/23/2015	No	
4	LAR	Revise Residual Heat Removal Service Water (RHRSW) TS and Bases for consistency with BFN design bases and rules of usage reflected in TS Section 1.0	09/25/2015	No	
5	LAR	TS 2.1.1.2, Revise Safety Limit Minimum Critical Power Ratio (SLMCPR) for BFN Unit 1	09/25/2015	Yes, Fall 2016	
6	LAR	Revise TS frequency for Augmented IST components	10/31/2015	No	
7	LAR	Revise TS 5.3.1 related to operator training requirements	12/31/2015	No	

1. The projected submittal dates are subject to change as discussed periodically with the NRC Project Manager. Also, operational considerations may result in the addition of licensing actions that are not currently listed.

ENCLOSURE 1

Table of Estimated Licensing Actions¹

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					
Licensing Action Number	Licensing Action	Licensing Action Description	Projected Submittal Date	Outage Related? If so, Date Needed	Comments (As Needed)
8	LAR	Extend Surveillance Requirement (SR) 3.3.8.2 Channel Calibration from 184 days to 18 months	12/31/2015	No	
9	LAR	Technical Specification Task Force (TSTF) 523, Managing Gas Accumulation	3/31/2016	No	
10	LAR	Revise SR 3.1.7.7 re 44 gpm SLC pump flow rate	05/20/2016	No	
11	LAR	Electric Board Room / Control Bay Chillers	05/31/2016	No	
12	LAR	TSTF-425, Relocate Surveillance Frequencies to Licensee Control – RITSTF Initiative 5b	06/30/2016	No	
13	LAR	Add TS 3.0.2 applicability to TS 5.5.2	06/30/2016	No	
14	LAR	TSTF-522, Ventilation System Surveillance Requirements	06/30/2016	No	
15	LAR	TS 5.5.12 Primary Containment Leakage Rate Testing Program - Change program guideline reference	09/01/2016	Yes, Spring 2019	Applies to all three units

1. The projected submittal dates are subject to change as discussed periodically with the NRC Project Manager. Also, operational considerations may result in the addition of licensing actions that are not currently listed.

ENCLOSURE 2

Table of Estimated Licensing Actions¹

Sequoyah Nuclear Plant, Units 1 and 2 Facility Operating License Nos. DPR-77 and DPR-79 NRC Docket Nos. 50-327 and 50-328					
Licensing Action Number	Licensing Action	Licensing Action Description	Projected Submittal Date	Outage Related? If so, Date Needed	Comments (As Needed)
1	LAR	Revise TS 6.3.1 related to operator training requirements	12/31/2015	No	
2	LAR	Revise Emergency Diesel Generator (EDG) Frequency Band	06/30/2016	No	

1. The projected submittal dates are subject to change as discussed periodically with the NRC Project Manager. Also, operational considerations may result in the addition of licensing actions that are not currently listed.

ENCLOSURE 3

Table of Estimated Licensing Actions^{1,2}

Watts Bar Nuclear Plant, Unit 1 Facility Operating License No. NPF-90 NRC Docket No. 50-390					
Licensing Action Number	Licensing Action	Licensing Action Description	Projected Submittal Date	Outage Related? If so, Date Needed	Comments (As Needed)
1	LAR	TSTF 372, Addition of LCO 3.0.8, Inoperability of Snubbers	10/30/2015	No	
2	LAR	ABGTS - TSTF 287	10/30/2015	No	
3	LAR	TS Tables 3.3.1-1 and 3.3.2-1: Systems 46 and 47 pressure switches	12/31/2015	No	
4	LAR	Emergency Diesel Generator / Electrical Board TS 3.8.1 Allowed Outage Time	01/31/2016	No	
5	LAR	TSTF-493, LSSS Setpoint Methodology	02/15/2017	No	
6	LAR	TSTF-340, AFW Mode Transition	02/17/2017	No	
7	LAR	Improved TS Rev 4 Upgrade	02/17/2017	No	

1. The projected submittal dates are subject to change as discussed periodically with the NRC Project Manager. Also, operational considerations may result in the addition of licensing actions that are not currently listed.

ENCLOSURE 4

Plans for Power Upgrades

RIS 2014-13 states:

The licensee is requested to address if they plan to apply for a power uprate (please indicate whether it is a measurement uncertainty recapture (MUR), stretch, or extended power uprate (EPU)) in the next 5 calendar years. (If the answer is no, please skip the next four questions.)

- *What percent increase in power from the current licensed thermal power (CLTP) limit does the licensee plan to apply for? (Please write N/A in any unit that does not apply or that is not planned for a power uprate.)*

Unit 1 _____ % Unit 2 _____ % Unit 3 _____ % Unit 4 _____ %

- *What is the planned increase from the CLTP limit in megawatts thermal?*

Unit 1 _____ MWt Unit 2 _____ MWt Unit 3 _____ MWt Unit 4 _____ MWt

- *What is the expected schedule for filing the application (month/year)? (If the month is not known, please provide the quarter and/or year.)*

Unit 1 _____ Unit 2 _____ Unit 3 _____ Unit 4 _____

- *What is the expected date for power ascension with uprated conditions (month/year)?*

Unit 1 _____ Unit 2 _____ Unit 3 _____ Unit 4 _____

TVA Response

TVA plans to submit an EPU for the Browns Ferry Nuclear Power Plants Units 1, 2, and 3. Below is the information requested by NRC:

- *What percent increase in power from the current licensed thermal power (CLTP) limit does the licensee plan to apply for? (Please write N/A in any unit that does not apply or that is not planned for a power uprate.)*

Unit 1 15 % Unit 2 15 % Unit 3 15 %

- *What is the planned increase from the CLTP limit in megawatts thermal?*

Unit 1 494 MWt Unit 2 494 MWt Unit 3 494 MWt

- *What is the expected schedule for filing the application (month/year)? (If the month is not known, please provide the quarter and/or year.)*

Unit 1 10/2015 Unit 2 10/2015 Unit 3 10/2015

- *What is the expected date for power ascension with uprated conditions (month/year)?*

Unit 1 10/2018 Unit 2 03/2019 Unit 3 03/2018