



Browns Ferry Nuclear Plant

Unit 2

Surveillance Procedure

2-SR-3.1.6.1

BPWS Compliance Verification

Revision 0006

Quality Related

Level of Use: Continuous Use

Level of Use or Other Information: 2913A

Effective Date: 01-28-2019

Responsible Organization: RXE, Reactor Engineering

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BFN Unit 2	BPWS Compliance Verification	2-SR-3.1.6.1 Rev. 0006 Page 4 of 7
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1.0 INTRODUCTION

1.1 Purpose

This procedure verifies compliance with Banked Position Withdrawal Sequence (BPWS). This is to ensure the assumptions of the control rod drop accident analyses are satisfied.

1.2 Scope

This procedure is performed in conformance with requirements specified in Technical Specification (TS) Surveillance Requirement (SR) 3.1.6.1.

1.3 Frequency

This procedure is to be performed once every 24 hours.

1.4 Conditions

This procedure can be performed in Modes 1 thru 4.

1.5 Applicability

Modes 1 and 2 with THERMAL POWER \leq 10% RTP (SR-3.1.6.1).

2.0 REFERENCES

2.1 Performance References

A. 2-SR-3.1.3.5(A), Control Rod Coupling Integrity Check.

2.2 Developmental References

A. Technical Specifications Section 3.1.6.1, Rod Pattern Control Surveillance.

B. Updated Final Safety Analysis Report Section 7.7, Reactor Manual Control System.

C. Updated Final Safety Analysis Report Section 7.16, Plant Process Computer.

2.3 Commitments

None

BFN Unit 2	BPWS Compliance Verification	2-SR-3.1.6.1 Rev. 0006 Page 6 of 7
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Date _____

6.0 PERFORMANCE

[1] **IF** all rods are fully inserted, **THEN**

INITIAL this step **AND**

N/A Steps 6.0[2] to 6.0[4].

(**OTHERWISE** N/A this step.)

_____ (AC)

NOTE

At any time the RWM is inoperable, the control rod pattern in the step below may be obtained by recording the control rod positions from Panel 2-9-5 on Attachment 1.

[2] **ATTACH** a printout of the current control rod pattern using the Integrated Computer System (ICS). _____

[3] **RECORD** the current RWM sequence and group, either from the RWM display or from the in use copy of 2-SR-3.1.3.5(A).

_____ RWM Sequence _____ RWM Group _____

[4] **VERIFY** that all control rods in the pattern obtained in Step 6.0[2] are within the insert and withdraw limits specified in 2-SR-3.1.3.5(A) for the current RWM group.

_____ (AC)

7.0 POST PERFORMANCE ACTIVITY

[1] **COMPLETE** STS and AC results. _____

[2] **NOTIFY** UO procedure is complete. _____

[3] **NOTIFY** US procedure is complete. _____

8.0 RECORDS

All completed portions of this procedure and STS are to be maintained per NPG-SPP-31.2, Records Management.

8.1 Attachments

Attachment 1, Control Rod Pattern Form

