


Approval <i>W7 Kitchens</i>	Vogtle Electric Generating Plant NUCLEAR OPERATIONS	 Georgia Power	Procedure No. 14406-1
Date 2/6/89	Unit <u>1</u>		Revision No. 3
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05-24-90

MANUAL SET
NO. 7

BORON INJECTION FLOW PATH VERIFICATION - SHUTDOWN

- 1.0 PURPOSE
- 1.1 The purpose of this procedure is to verify that the valves in one operable boron injection flow path described in Technical Specification 3.1.2.1 are in the required position.
- 1.2 This surveillance satisfies Technical Specification 4.1.2.1b.
- 1.3 The frequency of this surveillance is at least once every 31 days.
- 2.0 APPLICABILITY
- This surveillance is required for Modes 5 and 6.
- 3.0 PRECAUTIONS AND LIMITATIONS
- NONE
- 4.0 PREREQUISITES OR INITIAL CONDITIONS
- The Unit Shift Supervisor (USS) shall ensure this surveillance test does not affect other tests presently in progress or jeopardize plant operation prior to granting approval to perform this surveillance test.

INITIALS

USS APPROVAL

**INFORMATION
ONLY**

9202190524 920116
PDR ADDCK 05000424
S FDR

INITIALS

5.0 INSTRUCTIONS

TEST STARTED

DATE TIME MODE

NOTES

- a. Power operated valves (motor, air or solenoid) will be considered in the proper position if valves have power available and are capable of being repositioned to establish flow.
 - b. Valves or breakers should not be repositioned unless directed to do so by USS.
- 5.1 SELECT the operable borated water source(s) and circle same below.
- BORIC ACID STORAGE TK REFUELING WATER STORAGE TK
- 5.2 For the selected boric acid source(s) VERIFY that 14225-1 "Operations Weekly Surveillance Logs" are active. INITIAL Figure 1.
- 5.3 If the Refueling Water Storage Tank (RWST) is the operable source, CHECK 14000-1 "Operations Shift & Daily Surveillance Logs" to verify RWST temperature is within limits. INITIAL Figure 1.
- 5.4 If the Positive Displacement Pump is utilized, VERIFY 14705-1, "Boron Injection Flow Rate Verification" is active, for the Positive Displacement Pump. INITIAL Figure 1.
- 5.5 If the Boric Acid Transfer Pump(s) are utilized VERIFY 14811-1, "Boric Acid Transfer Pumps and Discharge Check Valves Inservice Test" is active. INITIAL Figure 1.
- 5.6 If the Centrifugal Charging Pump(s) is utilized, VERIFY 14808-1, "Centrifugal Charging Pump And Check Valve Inservice Test" is active. INITIAL Figure 1.
- 5.7 COMPLETE Figure 1 by placing initials in the appropriate blocks for the boron injection flow path. Power operated valves must be operable and local manual valves must be open.
- 5.8 Using Figure 1, ENSURE a complete flow path from borated water source through operable pump to RCS exists.

6.0 ACCEPTANCE CRITERIA

The valves in the boron injection flow path shown on Figure 1 were found to be in the required status to provide at least one flow path of borated water to the RCS. All required surveillances are active.

7.0 EVALUATION AND REVIEW

7.1 TEST PURPOSE

- Surveillance
- Maintenance Retest
- Other (explain) _____

7.2 Results obtained through performance of this procedure meet ACCEPTANCE CRITERIA of Section 6.0.

- YES NO

7.2.1 If NO was checked, NOTIFY the USS and REFER to Technical Specification 3.1.2.1.

7.2.2 Comments (include any abnormal conditions and corrective actions taken): _____

USS notified of Test Completion and Results

Initials / Date / Time

Test Completed By: _____
 Signature / Date / Time

Supervisory Review: _____
 Signature / Date / Time

8.0 REFERENCES

8.1 P&ID's

8.1.1 1X4DB114 Chemical and Volume Control System

8.1.2 1X4DB116-1 Chemical and Volume Control System

8.1.3 1X4DB116-2 Chemical and Volume Control System

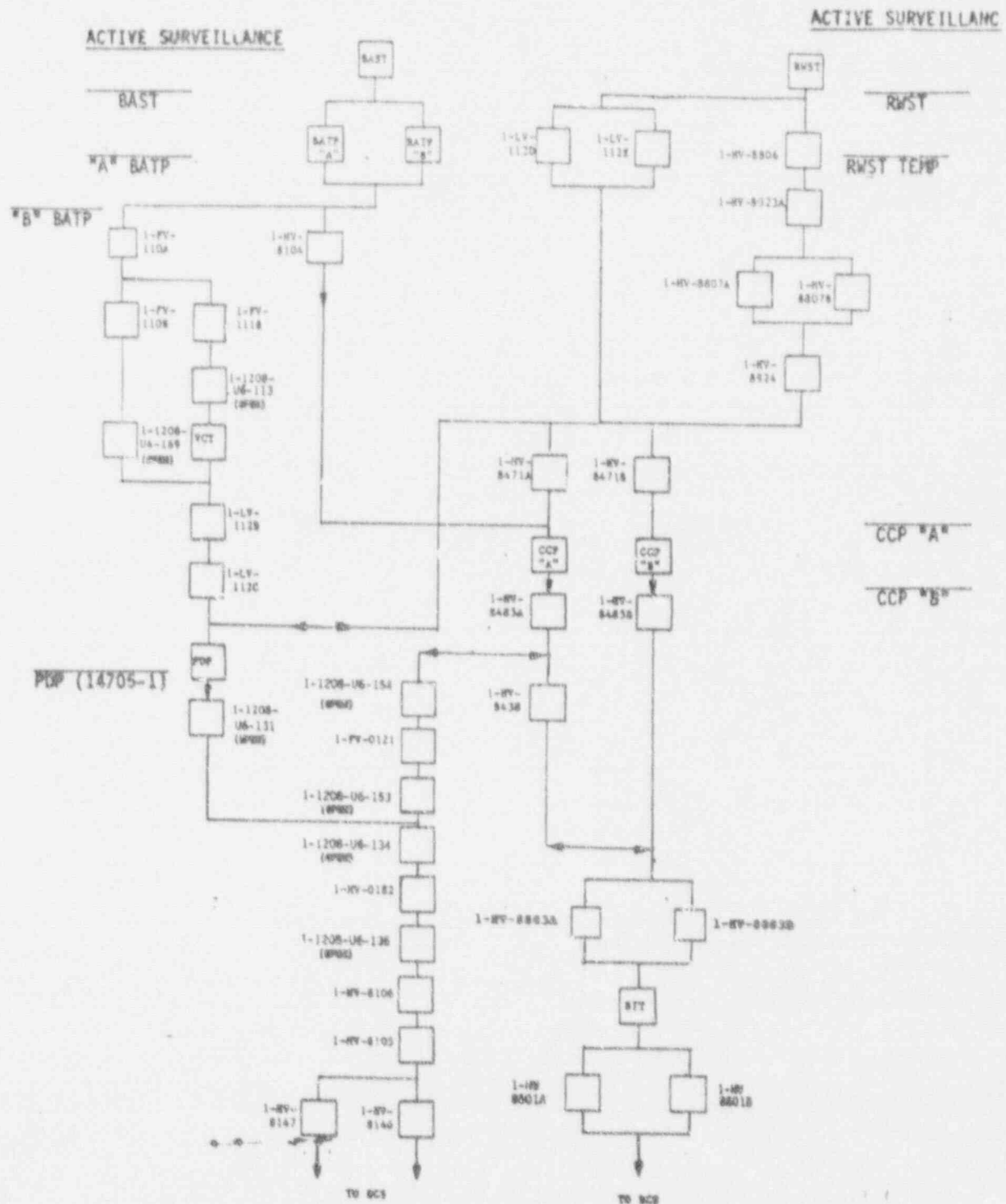
8.1.4 1X4DB118 Chemical and Volume Control System

8.1.5 1X4DB119 Safety Injection System

8.1.6 1X4DB121 Safety Injection System

8.2 VEGP Technical Specifications

END OF PROCEDURE TEXT



NOTE: Initial in appropriate box to indicate correct status. (OPERABLE for power operated valves
OPEN for manual valves)

Completed by _____

Date _____

FIGURE 1