

DOCUMENT TRANSMITTAL 15706  
FOR DOCUMENT NOTIFICATION AND/OR TRANSMITTAL

TO: NRC (DC DESK)           MAC: N/A       DESTINATION:  
DESCRIPTION:

DATE: Tue May 31 15:23:00 1994

DOCUMENT	REV	COMMENTS	CPY COPY TOTALS			
			#	INFO	CNTL	MSTR
AP0525	02		7	1	0	0

INSTRUCTIONS TO THE ADDRESSEE:

IF YOU ARE A HOLDER OF A HARD COPY, PLEASE VERIFY THE DOCUMENT(S) RECEIVED AGREES WITH THE ABOVE DESCRIPTION.  
BE SURE TO DESTROY DOCUMENT(S) OR PORTIONS OF DOCUMENT(S) SUPERSEDED BY THE ABOVE.

THE SIGNATURE INDICATES THAT YOU HAVE READ AND UNDERSTAND THESE INSTRUCTIONS AND THE CHANGES TO THE DOCUMENTS.

RETURN SIGNED AND DATED TRANSMITTAL TO DOCUMENT CONTROL WITHIN 20 DAYS AT MAIL CODE:

- NR2B
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- NA1C
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- Document Control
- Crystal River Energy Complex
- 15780 W. Power Line St.
- Crystal River, FL 34428-6700

SIGNATURE OF ADDRESSEE \_\_\_\_\_ DATE \_\_\_\_\_

INDEPENDENT VERIFICATION (Control Room Documents Only) \_\_\_\_\_ DATE \_\_\_\_\_

9406070205 940531  
PDR ADDCK 05000302  
F PDR

AP0525/1

CONTINUOUS CONTROL ROD MOTION

1.0 ENTRY CONDITIONS

IF an unexplained continuous control rod motion exists,  
THEN use this procedure.

2.0 IMMEDIATE ACTIONS

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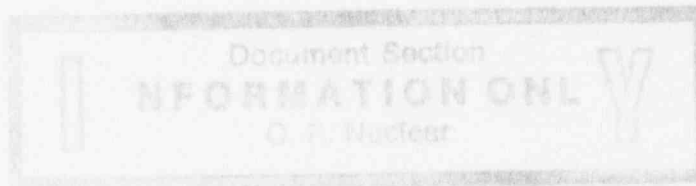
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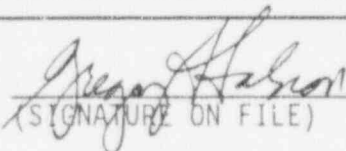
Note

There are no immediate actions in this procedure.

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This Procedure Addresses Safety Related Components		
Approved by MNPO	 (SIGNATURE ON FILE)	Date <u>5/31/94</u>
AP-525	PAGE 1 of 9	CCRM

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3.0 FOLLOW-UP ACTIONS

ACTIONS

DETAILS

3.1 \_\_\_ Notify personnel of plant conditions as required.

- o \_\_\_ Plant Operators
- o \_\_\_ SOTA
- o \_\_\_ SSOD to evaluate plant conditions for potential entry into the Emergency Plan.

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3.2 \_\_\_ CONCURRENTLY PERFORM VP-540, Runback Verification Procedure.

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3.3 \_\_\_ Determine cause of control rod motion.

Observe the following:

- o NI power trends,
- o IN or OUT rod commands,
- o Neutron error,
- o RCS Th, Tc, and Tave,
- o MUT level trend,
- o Feed and Bleed status,
- o MU Letdown lineup,
- o MU Demin status.

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3.0 FOLLOW-UP ACTIONS (CONT'D)

ACTIONS

DETAILS

3.4 — IF Rx power or Tave is changing due to rod motion, THEN stop rod motion.

Stop rod motion by:

- 1 — IF Tave error exists or is suspected, THEN select both FW loop demand stations to "HAND".
- 2 — Select Diamond to "MANUAL".
- 3 — Select "REACTOR DEMAND" station to "HAND".
- 4 — Select Diamond to "SEQ OK".

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3.5 — IF Rx power or Tave is increasing, AND rods can NOT be stopped, THEN trip the Rx. AND GO TO EOP-2, Vital System Status Verification, beginning with Step 2.1.

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3.6 — IF Rx power and Tavg are NOT changing, THEN determine if RCS boration or dilution has occurred.

- Observe MUT level trends.
- Ensure proper MU and Purification valve alignment.
- Notify Chemistry to sample MUT and RCS for boron.

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3.0 FOLLOW-UP ACTIONS (CONT'D)

ACTIONS

DETAILS

3.7 \_\_\_ Control PZR level 200 to 240"

- o Adjust MUV-31 setpoint or position as required to maintain PZR level 200 to 240".
- o Ensure PZR heater control is in AUTO.

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3.8 \_\_\_ Verify rod index is within limits.

IF NOT,  
THEN refer to ITS.

- o Refer to computer group 59.
- o Refer to the COLR.
- o Refer to ITS 3.1.3.5, Safety Rod Insertion Limits.
- o Refer to ITS 3.1.3.6, Regulating Rods Insertion Limits.



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3.0 FOLLOW-UP ACTIONS (CONT'D)

ACTIONS

DETAILS

3.9 \_\_\_ Verify quadrant power tilt is within limits.

- o Refer to computer group 59.
- o Refer to the COLR.

IF NOT,  
THEN refer to ITS 3.2.4  
Quadrant Power Tilt.

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3.10 \_\_\_ Maintain imbalance within limits.

- o Observe SPDS imbalance display for limits.
  - o Adjust APSRs to maintain imbalance.
  - o Refer to the COLR.
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IF NOT,  
THEN refer to ITS 3.2.3,  
Axial Power Imbalance.

3.11 \_\_\_ Verify rods are within  $\pm 6.5\%$  of their group average height.

IF NOT,  
THEN refer to ITS 3.1.4,  
Control Rod Group Alignment Limits

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3.12 \_\_\_ WHEN cause of CRD motion is identified and corrected,  
THEN restore components as necessary.

Refer to OP-504, Integrated Control System and OP-502, Control Rod Drive System.

EXIT THIS PROCEDURE.