

PRIORITY ATTENTION REQUIRED MORNING REPORT - REGION V DECEMBER 15, 1993

Licensee/Facility:

Arizona Public Service Co.  
Palo Verde 3  
Wintersburg, Arizona

Notification:

MR Number: 5-93-0095  
Date: 12/14/93  
TELEPHONE CALL FROM RI

Dockets: 50-530  
PWR/CE80

Subject: Post Maintenance Test Failure Of Westinghouse DS-206 Reactor  
Trip Breaker

Reportable Event Number: N/A

Discussion:

On December 14, 1993, a Unit 3 reactor trip breaker failed to open during post maintenance testing of the breaker's shunt trip coil after previously opening during testing of the undervoltage trip device. Unit 3 is currently in Mode 5 during a mid-cycle outage for steam generator tube inspections. The licensee had completed routine preventive maintenance on the Channel D reactor trip breaker, a Westinghouse Type DS-206, and was performing post-maintenance testing with the breaker installed in its cubicle and racked into the test position. The successful test of the undervoltage trip device involved the removal of a fuse in the control power circuit while the unsuccessful test of the shunt trip coil involved pressing a pushbutton on the breaker cabinet. The breaker did not open after the pushbutton was pressed.

The licensee quarantined the breaker and developed an action plan to

determine the cause of the failure to open. The licensee found that a breaker position switch was open which prevented the test circuit from operating. The position switch should be closed when the breaker is racked into the test position and does not affect breaker operation when the breaker is fully racked in. The licensee is attempting to determine if the position switch failed or if the breaker was not fully in the test position. The licensee previously observed a position switch problem in March 1993 during testing of the Unit 3 Channel C reactor trip breaker .

Regional Action:

The resident inspectors will follow the licensee's trouble shooting activities.

Contact: Brad Olson (510)975-0295  
Ken Johnston (510)975-0308

PRIORITY ATTENTION REQUIRED MORNING REPORT - REGION V DECEMBER 16, 1993

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| Licensee/Facility:  | Notification:  |
| Arizona Public Service Co.<br>Palo Verde 3<br>Wintersburg,Arizona | MR Number: 5-93-0097<br>Date: 12/16/93<br>NOTIFIED BY RESIDENT INSPECTOR |

Dockets: 50-530  
PWR/CE80

Subject: POST MAINTENANCE TEST FAILURE OF WESTINGHOUSE DS-206 REACTOR  
TRIP BREAKER - UPDATE

Reportable Event Number: N/A

Discussion:

On December 14, 1993, a Unit 3 reactor trip breaker failed to open during post-maintenance testing of the breaker's shunt trip coil after previously opening during testing of the undervoltage trip device. Unit 3 is currently in Mode 5 for a mid-cycle outage to inspect steam generator tubes. The licensee had completed routine preventive maintenance on the Channel D reactor trip breaker, a Westinghouse Type DS-206, and was performing post-maintenance testing with the breaker installed in its cubicle and racked into the test position. The successful test of the undervoltage trip device involved the removal of a fuse in the control power circuit while the unsuccessful test of the shunt trip coil involved pressing a pushbutton on the breaker cabinet. The breaker did not open after the pushbutton was pressed.

The licensee subsequently determined that a position switch in the breaker cubicle had failed. As a result, the test circuit for the shunt trip coil failed to operate. The failure of the position switch affected test circuits only; the failure would not have affected the ability of the breaker to open in response to a reactor trip signal. The licensee intends to replace the position switch, perform retests, and return the breaker to service.

Regional Action:

The resident inspectors will follow the licensee's trouble shooting activities.

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Contact: Howard Wong  
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