

JOB PERFORMANCE MEASURE

UNIT: 2 REV #: 2 DATE: _____

SYSTEM/DUTY AREA: Abnormal/Emergency Operations

TASK: Restore component cooling water to reactor coolant pumps

JTA#: 20085180401

KA VALUE RO: 3.2 SRO: 2.9 KA REFERENCE: 003 A4.08

APPROVED FOR ADMINISTRATION TO: RO: X SRO: X

TASK LOCATION: INSIDE CR: X OUTSIDE CR: _____ BOTH: _____

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ SIMULATOR: Perform LAB: _____

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: X PLANT SITE: _____ LAB: _____

TESTING METHOD: SIMULATE: _____ PERFORM: X

APPROXIMATE COMPLETION TIME IN MINUTES: 15 minutes

REFERENCE(S): EOP 2202.010 Rev 005-01-0

EXAMINEE'S NAME: _____ SSN: - -

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

_____ Start Time _____ Stop Time _____ Total Time

SIGNED _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

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THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS: 2A1, 2A2, are re-energized from SU#2 following a degraded power situation.

2202.010 ATT. 29 steps through 1.m have been completed. Power to CCW pumps has been restored. Seal temperatures are > 180°F and < 300°F.

TASK STANDARD: Controlled bleed off isolated to VCT and CBO relief valve isolated. THIS IS AN

ALTERNATE SUCCESS PATH JPM. _____

TASK PERFORMANCE AIDS: EOP 2202.010 Attachment 21

SIMULATOR INITIAL CONDITIONS: Set up CCW valves per EOP 2202.010 Attachment 29 "STARTUP XFM # 2

USAGE" perform actions through step 1.m. Close RCP CCW RETURN valve, 2CV-5255-1, 2CV-5254-2 and 2CV-5236-1. NO SIAS actuation.

Run case file JPM07 This will do the following:

Set T4 = ccwrcp (this will trigger T4 when 2CV 5255 red light is energized).

When 2CV 5255-1 is taken to open position, it will trip the breaker

T4=2HS-5255-1 R false (override)

T4=2HS-5255-1 G false (override)

T4=2CV5255-1 a = 0.0% (component malfunction)

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INITIATING CUE:

The SS/CRS directs, "Restore CCW to the RCP's using EOP 2202.010 Attachment 21."

CRITICAL ELEMENTS (C): 3, 4, 5, 6, 7, 11, 12

| PERFORMANCE CHECKLIST | | STANDARDS | (Circle One) | |
|--|----|---|--|---------------|
| | 1. | Verify RCP bleedoff to VCT valves open. | On panel 2C16 verified 2CV-4847-2 red light on; control switch in OPEN. On panel 2C17, verified 2CV-4846-1 red light on; control switch in OPEN. | N/A SAT UNSAT |
| | 2. | Verify RCP Bleedoff Relief Isolation to Quench Tank open. | On panel 2C09, verified 2CV-4856 red light on; keyswitch in LOCKED OPEN. | N/A SAT UNSAT |
| (C) | 3. | Determine RCP Seal temperature and status of Loop II CCW pump. <u>POSITIVE CUE:</u> RCP seal temperatures are > 180°F and one CCW pump is running on Loop II. | On panel 2C14 or on PMS computer, determined RCP seal temperatures. On 2C14, observed running indication for one Loop II CCW pump and Loop II flow. | N/A SAT UNSAT |
| (C) | 4. | Verify RCP CCW Return valve (2CV-5255-1) CLOSED. | On panel 2C17, verified 2CV-5255-1 closed. Observed green light ON; red light OFF above handswitch. | N/A SAT UNSAT |
| (C) | 5. | Open RCP CCW Supply valve (2CV-5236-1). | On panel 2C17, placed handswitch for 2CV-5236-1 in "OPEN". Observed green light OFF; red light ON. | N/A SAT UNSAT |
| (C) | 6. | Open RCP CCW Return valve (2CV-5254-2). | On panel 2C16, placed handswitch for 2CV-5254-2 in "OPEN". Observed green light OFF; red light ON. | N/A SAT UNSAT |
| EXAMINER'S NOTE: | | | | |
| When 2CV-5255-1 is taken to OPEN, the breaker will trip and cannot be reset. The valve will be stuck closed. | | | | |

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| PERFORMANCE CHECKLIST | | | STANDARDS | (Circle One) |
|--|-----|---|---|---------------|
| (C) | 7. | <p>Modulate RCP CCW Return valve (2CV-5255-1) OPEN.</p> <p><u>POSITIVE CUES:</u></p> <p>If WCO sent to the valve; 2CV-5255-1 cannot be opened.</p> <p>If AO sent to the breaker, 2B53-G4; the breaker for 2CV-5255-1 cannot be reset.</p> | <p>On panel 2C17, took handswitch for 2CV-5255-1 to "OPEN" for one (1) second then released.</p> <p>Observed red and green lights OFF.</p> <p>EXAMINEE may ask to dispatch a NLO to the valve and or breaker.</p> | N/A SAT UNSAT |
| <p>EXAMINER'S NOTE:</p> <p>The examinee may elect to monitor RCP seal cooldown before making the decision that CCW cannot be restored. This monitoring of RCP seal cooldown may take 10 minutes to validate that 2CV-5255-1 did not open.</p> <p>The examinee should go to step 4 of Attachment 21.</p> | | | | |
| | 8. | Verify ALL RCP's secured. | <p>On panel 2C04, observed 2P32A, B, C, and D RCP handswitches in STOP or PTL.</p> <p>Observed handswitch is green flagged; green light ON and red light OFF.</p> | N/A SAT UNSAT |
| | 9. | Close 2CV-5254-2. | <p>On panel 2C16, placed handswitch for 2CV-5254-2 to "CLOSE"</p> <p>Observed green light ON; red light OFF.</p> | N/A SAT UNSAT |
| | 10. | Close 2CV-5236-1. | <p>On panel 2C17, placed handswitch for 2CV-5236-1 to "CLOSE"</p> <p>Observed green light ON; red light OFF.</p> | N/A SAT UNSAT |
| (C) | 11. | Close RCP bleedoff to VCT valves. | <p>On panel 2C17, placed handswitch for 2CV-4846-1 to "CLOSE."</p> <p>On panel 2C16, placed handswitch for 2CV-4847-2 to "CLOSE."</p> <p>For each valve, observed green light ON; red light OFF.</p> | N/A SAT UNSAT |

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| PERFORMANCE CHECKLIST | | | STANDARDS | (Circle One) |
|------------------------------|-----|--|---|---------------|
| (C) | 12. | Close RCP bleedoff relief isolation to quench tank valve (2CV-4856). | On panel 2C09, placed handswitch for 2CV-4856 to "CLOSE" Observed green light ON; red light OFF. | N/A SAT UNSAT |
| END | | | | |

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QUESTION:

ANSWER:

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EXAMINEE'S COPY

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INITIATING CUE:

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