

SRO Admin Job Performance Measure "C"

Facility: **Vogle**

Task No: V-LO-TA-63004

START 0749

Task Title: **Determine Tagging Requirements**

STOP 0935

JPM No: V-NRC-JP-NMP-AD-003-HL17

K/A Reference: G2.2.13 RO 4.1 SRO 4.3

Examinee: CARLA SMITH

NRC Examiner: M. MEEKS

Facility Evaluator: N/A

Date: 04/12/2012

Method of testing:

Simulated Performance _____ Actual Performance X

Classroom X Simulator _____ Plant _____

Read to the examinee:

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

Initial Conditions: Unit 1 is at 100% Power. A planned outage for Containment Spray Pump (CSP) Train "A" is required to replace the pump seals.

All electrical components and associated handswitches requiring Tagout for the CSP "A" work are tagged under another referenced Tagout.

All pump motor cooling water required for Tagout for the CSP "A" work is tagged under another referenced Tagout.

Initiating Cue: Determine the appropriate boundary points and required positions of components to isolate the fluid boundary and drain CSP "A", 1-1206-P6-001.

Determine the Tech Spec LCO(s), required actions, and completion times (if any) that result from authorizing the given tagout.

Task Standard: Boundary points for isolation and drains for CSP "A" are determined. LCO, required actions, and completion times are determined.

Required Materials: Provide following references to candidate

NMP-AD-003, "Equipment Clearance and Tagging" Ver. 14.0

NMP-AD-003-002 "Tagout Standards" Ver. 7.0

P&ID 1X4DB131 Ver. 35.0

Tech Specs

Provide to candidate if requested.

1X4DR003 Ver. 1.0 Fill and Vent Diagram For Containment Spray System

General References: none

Time Critical Task: No

Validation Time: 45 minutes

Performance Information

Critical steps denoted with an asterisk

References NMP-AD-003, NMP-AD-003-002, and P&ID 1X4DB131.

Standard: Candidate uses references.

Comment:

Determines the following components and positions are required to isolate and drain fluid boundary for CSP A.

Standard:

- Candidate correctly identifies the listed points to tag out CSP as listed below.
- **The ones in BOLD are the critical points.**
- The description should describe valve function.
- The description listed is expected description.
- The lineup description is listed in parentheses.
- The additional drains may be added but are not required.

Component Number	Description	Required Position
✓ 1-HV-9001A	CSP A Pump Discharge Isolation Valve (CNMT SPRAY ISO)	CLOSED
✓ 1-HV-9017A	CSP A RWST Suction Isolation Valve (CNMT SPRAY PUMP A RWST SUCT ISO VLV)	CLOSED
✓ 1-HV-9003A	CSP A CNMT Sump Suction Isolation Valve (CNMT SPRAY PUMP A CNMT SUMP SUCT ORC)	CLOSED
✓ 1-1206-U4-115	1HV-9003A Bypass Line Isolation Valve (CNMT SPRAY PUMP TRAIN A SUMP SUPPLY HV 9003A BYP)	CLOSED
✓ 1-1206-U4-006	CSP A RWST Test line Isolation Valve (CNMT SPRAY PUMP TRAIN A TEST FLOWPATH ISOLATION)	CLOSED <i>LOC</i>
✓ 1-1206-U4-034	CSP A Discharge to Eductor Isolation Valve (CNMT SPRAY SPRAY ADD TK DISCH ISO TO EDUCTOR 1)	CLOSED <i>LOC</i>
✓ 1-1206-U4-109	CSP A Pump Casing Drain Valve (CNMT SPRAY PUMP TRAIN A DISCHARGE CASING DRAIN)	OPEN
✓ 1-1206-U4-112	CSP A Pump Casing Drain Valve (CNMT SPRAY PUMP TRAIN A SUCTION CASING DRAIN)	OPEN
✓ 1-1206-U4-108	CSP A Pump Casing Vent Valve (CNMT SPRAY PUMP TRAIN A CASE VENT)	✓ UNFLANGE/OPEN or UNCAP/OPEN
✓ 1-1206-X4-108	CSP A Header Vent Valve (CNMT SPRAY HEADER TRAIN A VENT)	UNCAP/OPEN
✓ 1-1206-U4-002	CSP A Suction Drain Valve (CNMT SPRAY PUMP TRAIN A SUCTION FLOOR DRAIN ISO)	OPEN <i>CLOSED</i>
✓ 1-1206-X4-005	CSP A RWST Supply Drain Valve (CNMT SPRAY PUMP TRAIN A RWST SUPPLY DRN TO FLOOR)	OPEN
1-1206-X4-009	CSP A Suction Vent Valve (CNMT SPRAY PUMP TRAIN A SUCTION PRESS TEST ROOT)	OPEN

✓ 1-1206-X4-026	CSP A Discharge Drain Valve (CNMT SPRAY PUMP TRAIN A DISCHARGE LINE DRAIN)	UNCAP/OPEN
✓ 1-1206-X4-013	CSP A Discharge to Eductor Drain Valve (CNMT SPRAY PUMP TRAIN A DISCHARGE TO EDUCTOR DRN)	OPEN
✓ 1-1206-X4-035	CSP A Header Drain Valve (CNMT SPRAY HEADER TRAIN A DRAIN)	OPEN
✓ 1-1206-U4-011	CSP A Discharge Flush Conn Isolation (CNMT SPRAY PUMP TRAIN A DISCH FLUSH CONN ISO)	UNFLANGE/OPEN or CLOSED

Comment:

***Candidate determines the Tech Spec LCO(s), required actions, and completion times.**

Standard: Candidate determines the following (bolded items are critical):

LCO 3.6.6 Two containment spray trains and two containment cooling trains shall be **OPERABLE**.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
✓ A. One containment spray train inoperable.	✓ A.1 Restore containment spray train to OPERABLE status.	✓ 72 hours* <u>AND</u> 6 days from discovery of failure to meet the LCO*
B. One containment	B.1 Restore containment	72 hours

CONDITION	REQUIRED ACTION	COMPLETION TIME
cooling train inoperable.	cooling train to OPERABLE status.	<u>AND</u> 6 days from discovery of failure to meet the LCO
C. Required Action and associated Completion Time not met.	C.1 Be in MODE 3.	6 hours
	<u>AND</u> C.2 Be in MODE 5.	84 hours

* For the VEGP Unit 2 June 23, 2008 entry into Technical Specification 3.6.6, the Containment Spray Pump B may be inoperable for a period not to exceed 7 days.

Terminating cue: Candidate informs SS of completion of the identified points to Tagout Containment Spray Pump A or returns the cue sheet.

Verification of Completion

Job Performance Measure No. V-NRC-JP-NMP-AD-003-HL17

Examinee's Name:

Examiner's Name:

Date Performed:

Number of Attempts:

Time to Complete:

Question Documentation:

Question: _____

Response: _____

Result: Satisfactory/Unsatisfactory

Examiner's signature and date: _____

Carle Smith

Initial Conditions: Unit 1 is at 100% Power. A planned outage for Containment Spray Pump (CSP) Train "A" is required to replace the pump seals.

All electrical components and associated handswitches requiring Tagout for the CSP "A" work are tagged under another referenced Tagout.

All pump motor cooling water required for Tagout for the CSP "A" work is tagged under another referenced Tagout.

Initiating Cue: Determine the appropriate boundary points and required positions of components to isolate the fluid boundary and drain CSP "A", 1-1206-P6-001.

Determine the Tech Spec LCO(s), required actions, and completion times (if any) that result from authorizing the given tagout. (See Attached)

Component Number	Description	Required Position
1-HV-9001A	CSP "A" Discharge Valve ^{MOV}	Closed
1-HV-9017A	CSP "A" suction valve from RWST ^{MOV}	Closed
1-HV-9003A	CSP "A" suction valve from cond sumps ^{MOV}	Closed
1-1206-44-006	CSP "A" manual valve	^{CS} Unlocked and closed.
1-1206-44-034	CSP "A" manual valve	^{CS} Unlocked and closed
1-1206-44-002	CSP "X" manual valve	^{CS} Unlocked and closed
1-1206-44-1135	CSP "X" manual valve	^{CS} unlocked and closed
<u>To Drain and vent</u>		
1-1206-44-116	CSP "A" manual valve	open
1-1206-X4-035	Drain	uncapped and open
1-1206-X4-026	Drain	uncapped and open
1-1206-X4-013	Drain	uncapped and open

Component Number	Description	Required Position
1-1206-44-109	^{CSPA} Casing Drain Disc	unlocked and open
1-1206-44-112	^{CSPA} Casing drain suction	unlocked and open
1-1206-x4-005	Drain	uncapped and open
1-1206-x4-108	Vent	uncapped and open
1-1206-44-108	Vent	unflanged and open
1-1206-44-040	vent	uncapped and open

Cnmt Spray TS

Carla Smith

TS. 3.6.6.

LEO: 2 CS trains + 2 cmt cooling trains shall be operable.

Cond A: one CS train inop

Restore to operable in 72hrs

and
6 days from
discovery of
failure to meet the
LEO.

Cond C: Required Action & Completion
Time not met

Be in Mode 3 in 6hrs
and

Be in Mode 5 in 84hrs