

	JOB PERFORMANCE MEASURE (JPM)
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SITE: MONTICELLO NUCLEAR GENERATING PLANT
JPM TITLE: DEPRESSURIZE THE SCRAM AIR HEADER FROM ASDS PANEL
JPM NUMBER: JPM-C.5-3101-001 **REV.** 5
RELATED PRA INFORMATION: None
TASK NUMBERS / TASK TITLE(S): CR314.105
 Perform actions associated with alternate rod insertion
K/A NUMBERS: 295037 EA1.03 **Rating: SRO/RO:** 4.1/4.1

APPLICABLE METHOD OF TESTING:

Discussion: Simulate/walkthrough: Perform:

EVALUATION LOCATION: In-Plant: Control Room:
 Simulator: Other:
 Lab:

Time for Completion: 10 Minutes Time Critical: No

Alternate Path: No

TASK APPLICABILITY: SRO: RO: NLO

Additional site-specific signatures may be added as desired.

Developed by:		
	Developer	Date
Validated by:		
	Validator (See JPM Validation Checklist, Attachment 1)	Date
Approved by:		
	Training Supervisor	Date

JPM-C.5-3101-001 (Depressurize The Scram Air Header From ASDS Panel) Rev. 5

JPM Number: JPM-C.5-3101-001

JPM Title: Depressurize Scram Air Header From ASDS Panel

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT:

UNSAT:

COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).

EVALUATOR'S SIGNATURE: _____

*NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily.
If unsatisfactory performance is demonstrated, the entire JPM should be retained.*

JPM BRIEFING/TURNOVER

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

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

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- The Reactor was manually scrammed due to loss of both Recirc pumps at 100% power.
- Eight control rods are at position 48 with their associated blue scram lights off.
- All RPS scram bus lights are OFF.
- Annunciator 5-B-22 (Scram Pilot Header Hi/Low Pressure) is not in ALARM.

INITIATING CUES (IF APPLICABLE):

- The CRS directs you to depressurize the scram air header from the ASDS panel using C.5-3101 Part B.
- **ALL OPERATOR ACTIONS ARE TO BE SIMULATED UNLESS OTHERWISE DIRECTED**

JPM-C.5-3101-001 (Depressurize The Scram Air Header From ASDS Panel) Rev. 5

JPM PERFORMANCE INFORMATION

- Required Materials:** • None
- General References:** • C.5-3101
- Task Standards:** • Depressurize the Scram Air Header IAW Part B, C.5-3101

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step **SHALL** result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: 1	Equipment
Critical: N	Locates procedure C.5-3101 (Alternate Rod Insertion) and Key 26 for ASDS Panel C-292.
Standard:	1. Locates appropriate procedure <u>And</u> 2. Locates key 26.
Evaluator Cue:	1. Provide operator with a copy of procedure. 2. Simulate giving operator Key 26.
Evaluator Note:	Key 26 is in the EOP file drawer and also the WEC. The examinee should not actually go retrieve the key.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

JPM-C.5-3101-001 (Depressurize The Scram Air Header From ASDS Panel) Rev. 5

Performance Step: 2	Procedure STEP 1a
Critical: N	<u>If</u> any scram air header is to be depressurized from the ASDS panel, <u>Then</u> perform the following:
	Verify the following switches in NORMAL on ASDS panel:
	<ul style="list-style-type: none"> • S31, SRV DIV II TRANSFER SWITCH • S25, RHR B TRANSFER SWITCH • S26, CORE SPRAY B TRANSFER SWITCH • S82, CONT. VENT/PURGE VLVS AO2377 / AO2387 / AO2896 • S27, NO. 12 DIESEL GEN TRANSFER SWITCH
Standard:	<ul style="list-style-type: none"> • S31, SRV DIV II TRANSFER SWITCH in NORMAL • S25, RHR B TRANSFER SWITCH in NORMAL • S26, CORE SPRAY B TRANSFER SWITCH IN NORMAL • S82, CONT. VENT/PURGE VLVS AO2377 / AO2387 / AO2896 in NORMAL • S27, NO. 12 DIESEL GEN TRANSFER SWITCH in NORMAL
Evaluator Cue:	<ol style="list-style-type: none"> 1. All switches are as you see them. 2. If asked, inform them the amber light above the Rod Insert Air Header dump valve is not on.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	

Performance Step: 3	Procedure STEP 1b
Critical: Y	Place S33 MASTER ASDS TRANSFER SWITCH to TRANSFER.
Standard:	Places S33 MASTER ASDS TRANSFER SWITCH to TRANSFER using Key 26.
Evaluator Cue:	Switch is in TRANSFER position.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	

JPM-C.5-3101-001 (Depressurize The Scram Air Header From ASDS Panel) Rev. 5

Performance Step: 4	Procedure STEP 1c
Critical: Y	Place S32 ROD INSERTION (DUMP AIR HEADER) to INSERT
Standard:	Places S32 ROD INSERTION (DUMP AIR HEADER) to INSERT and releases.
Evaluator Cue:	Switch in INSERT position, spring return to normal.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	

Performance Step: 5	Procedure STEP 1d
Critical: N	Verify amber light above S32 ROD INSERTION DUMP AIR HEADER switch comes on.
Standard:	Verifies amber light above S32 ROD INSERTION DUMP AIR HEADER switch comes on.
Evaluator Note:	<ul style="list-style-type: none"> • The amber light will turn on when scram air header pressure lowers to < 30 psig • The red light (solenoid valve energized) will also come on
Evaluator Cue:	Red light is ON and after 5 seconds state the Amber light is ON.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	

Performance Step: 6	Procedure STEP 1e
Critical: N	<u>When</u> the control rods no longer move inward, <u>Then</u> place S33 MASTER ASDS TRANSFER SWITCH to NORMAL.
Standard:	<ol style="list-style-type: none"> 1. Places S33 MASTER ASDS TRANSFER SWITCH to NORMAL 2. Removes Key 26
Evaluator Cue:	<ol style="list-style-type: none"> 1. Report that the eight controls rods fully inserted. 2. Master ASDS Transfer Switch is in NOMRAL. 3. Key 26 is removed.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	

JPM-C.5-3101-001 (Depressurize The Scram Air Header From ASDS Panel) Rev. 5

Terminating Cues: Once the examinee places S33 MASTER ASDS TRANSFER SWITCH to NORMAL and removes Key 26, Inform them that the **JPM IS COMPLETE!**

Stop Time: _____

Historical Record:

- Procedure revision updates for 2013 ILT NRC Exam.
- Based on C.5-3101 Rev.11

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- The Reactor was manually scrammed due to loss of both Recirc pumps at 100% power.
- Eight control rods are at position 48 with their associated blue scram lights off.
- All RPS scram bus lights are OFF.
- Annunciator 5-B-22 (Scram Pilot Header Hi/Low Pressure) is not in ALARM.

INITIATING CUES:

- The CRS directs you to depressurize the scram air header from the ASDS panel using C.5-3101 Part B.
- **ALL OPERATOR ACTIONS ARE TO BE SIMULATED UNLESS OTHERWISE DIRECTED**

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

	JOB PERFORMANCE MEASURE (JPM)
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SITE: MONTICELLO NUCLEAR GENERATING PLANT

JPM TITLE: RESET THE LEAK RATE CHANGE HIGH ALARM TIMER

JPM NUMBER: JPM-B.07.01-05-001 **REV.** 1

RELATED PRA INFORMATION: None

TASK NUMBERS / TASK TITLE(S): CR222.104
Resetting the Leak Rate Change High Alarm Timer

K/A NUMBERS: 223001 A1.10 Rating: SRO/RO: 3.6 / 3.4

APPLICABLE METHOD OF TESTING:
 Discussion: Simulate/walkthrough: Perform:

EVALUATION LOCATION: In-Plant: Control Room:
 Simulator: Other:
 Lab:

Time for Completion: 20 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: RO: NLO

Additional site-specific signatures may be added as desired.

Developed by:	Developer	Date
Validated by:	Validator (See JPM Validation Checklist, Attachment 1)	Date
Approved by:	Training Supervisor	Date

JPM Number: JPM-B.07.01-05-001

JPM Title: Reset the Leak Rate Change High Alarm Timer

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT:

UNSAT:

COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).

EVALUATOR'S SIGNATURE: _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

JPM BRIEFING/TURNOVER

<i>Provide briefing/turnover in accordance with applicable program description and/or training procedure.</i>

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

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- The following conditions exist for the Drywell Floor Drain Sump (S-38):
 - AUTOMATIC Level Switch LS-2533 has FAILED.
 - STANDBY Level Switch LS-2534 will be used to control the sump pumps.
 - 24 hour average leak rate has been determined to be **0.7 gpm**.

INITIATING CUES:

- The Control Room Supervisor directs you to reset the Leak Rate Change High Alarm Timer for the Drywell Floor Drain Sump (S-38) in **STANDBY**.
- **ALL OPERATOR ACTIONS ARE TO BE SIMULATED UNLESS DIRECTED OTHERWISE.**

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

JPM PERFORMANCE INFORMATION

Required Materials:

- Calculator
- Procedure B.07.01-05, Section G.6 (Resetting the Leak Rate Change High Alarm Timer)
- Print NH-36043 (P&ID – Open RadWaste Sump System)

General References:

- B.07.01-05 (Liquid Radwaste – System Operation)
- NH-36043 (P&ID – Open Radwaste Sump System)

Task Standards:

- Drywell Sump Leak Rate Change Timer setpoint has been calculated to be 254 minutes and timer 2-2533A has been set to 4 hours 14 minutes in accordance with B.07.01-05, Section G.6.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step **SHALL** result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: 1	Review Procedure B.07.01-05, Section G.6 (Resetting the Leak Rate Change High Alarm Timer).
Critical: N	
Standard:	Obtains and reviews appropriate procedure.
Evaluator Cue:	PROVIDE operator copy of section G.6 of procedure B.07.01-05.
Evaluator Note:	If operator requests use of the supplied calculator, ENSURE calculator display and memory has been cleared.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

Performance Step: 2	Procedure STEP 1.
Critical: N	Determine last 24 hour average leak rate for a given sump. For example: 1.1 gpm for S-38, DRYWELL FLOOR DRAIN SUMP.
Standard:	Based on Initial Conditions, uses average leak rate of 0.7 gpm.
Evaluator Cue:	None
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 3	Procedure STEP 2.
Critical: Y	Add 0.2 gpm to value from step 1 above to determine the calculated alarm time. For example: 1.1 gpm + 0.2 gpm = 1.3 gpm
Standard:	Adds 0.2 gpm to 0.7 gpm to determine a calculated alarm time of 0.9 gpm
Evaluator Cue:	None
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 4	Procedure STEP 3.
Critical: N	NOTE: A sump's active volume depends on which pump control scheme is in control as AUTO or STANDBY. <u>IF</u> operating DWEDS or DWFDS in any configuration other than AUTO, <u>THEN</u> pump the sump down to the AUTO pump stop level switch setting, which corresponds to 4.1 " on LR7409, RW DW EQUIP AND FLR DRN SUMPS LVL.
Standard:	Contacts Control Room to pump the DWFDS to 4.1" as indicated on LR-7409.
Evaluator Cue:	As Control Room Operator, INFORM operator sump has been pumped down to 4.1".
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 5	Procedure STEP 4.
Critical: N	Determine active sump volume using P&IDS M-137 and M-138. For example: The active sump volume for S-38 in AUTO is 186 gal, and the active sump volume for S-38 in STANDBY is 229 gal.
Standard:	<ul style="list-style-type: none"> • Determines active sump volume is 229 gallons. • May refer to drawing M-137.
Evaluator Cue:	If drawing M-137 is requested, PROVIDE copy.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 6	Procedure STEP 5.
Critical: Y	Compute the alarm timer setpoint by the following formula: $\frac{\text{active sump volume}}{\text{calculated alarm time}} = \text{alarm timer setpoint.}$ For example: $\frac{186 \text{ gal}}{1.3 \text{ gpm}} = 143 \text{ min.}$
Standard:	Divides 229 gallons by 0.9 gpm to determine setpoint of 254 minutes (229 gallons/0.9 gpm = 254 minutes).
Evaluator Note:	If operator requests use of the supplied calculator, ENSURE calculator display and memory has been cleared.
Evaluator Cue:	None
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

Performance Step: 7	Procedure STEP 6.
Critical: Y	To set timer, adjust center knob to position black pointer at setpoint time determined in step 5.
Standard:	<ul style="list-style-type: none"> • Proceeds to side of Panel C-41 in Cable Spreading Room. • Turns black dial on Timer 2-2533A CW to line up BLACK pointer to the 4 hour 14 minute position (between the 1st and 2nd tick mark immediately AFTER the 4 position).
Evaluator Note:	Tick marks on timer are in 10 minute increments. Step is considered SAT if BLACK arrow is positioned approximately in the middle of the 1 st and 2 nd tick marks immediately AFTER the 4 position.
Evaluator Cue:	Black pointer is lined up as described by operator.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: BLACK pointer on Drywell Sump Leak Rate Change Timer 2-2533A has been positioned at the 4 hour 14 minute position.

Stop Time: _____

Historical Record: Revision 1

- Updated procedure revisions for 2013 ILT NRC Exam
- Based on B.03.03-05.G.6 Revision 29

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- The following conditions exist for the Drywell Floor Drain Sump (S-38):
 - AUTOMATIC Level Switch LS-2533 has FAILED.
 - STANDBY Level Switch LS-2534 will be used to control the sump pumps.
 - 24 hour average leak rate has been determined to be **0.7 gpm**.

INITIATING CUES:

- The Control Room Supervisor directs you to reset the Leak Rate Change High Alarm Timer for the Drywell Floor Drain Sump (S-38) in **STANDBY**.
- **ALL OPERATOR ACTIONS ARE TO BE SIMULATED UNLESS DIRECTED OTHERWISE.**

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

	JOB PERFORMANCE MEASURE (JPM)
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SITE: MONTICELLO NUCLEAR GENERATING PLANT

JPM TITLE: FIRE WATER CROSS-TIE TO LPCI

JPM NUMBER: JPM-C.5-3203-001 **REV.** 13

RELATED PRA INFORMATION: PRA-ALT-INJ-LY

TASK NUMBERS / TASK TITLE(S): CR314.110
 Use Alternate Injection Systems For RPV Makeup
 NL314.106
 Use Alternate Injection Systems For RPV Makeup

K/A NUMBERS: 295031 **Rating: SRO/RO:** 3.9/3.8
 EA1.08

APPLICABLE METHOD OF TESTING:
 Discussion: Simulate/walkthrough: Perform:

EVALUATION LOCATION: In-Plant: Control Room:
 Simulator: Other:
 Lab:

Time for Completion: 15 Minutes Time Critical: No

Alternate Path: No

TASK APPLICABILITY: SRO: RO: NLO

Additional site-specific signatures may be added as desired.

Developed by:		Date
	Developer	
Validated by:		Date
	Validator (See JPM Validation Checklist, Attachment 1)	
Approved by:		Date
	Training Supervisor	

JPM Number: JPM-C.5-3203-001

JPM Title: Simulate Using Fire Water Cross-Tie To LPCI

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT:

UNSAT:

COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).

EVALUATOR'S SIGNATURE: _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

JPM BRIEFING/TURNOVER

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

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

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- An emergency condition exists requiring the use of Alternate Injection Systems for RPV Makeup.
- The Diesel Fire Pump is operating and RHRSW is not supplying RHR

INITIATING CUES:

- The CRS directs you to perform the IN-PLANT steps for lining up the Fire Water system for LPCI Injection using C.5-3203.
- **ALL OPERATOR ACTIONS ARE TO BE SIMULATED.**

EVALUATOR NOTE: Some steps in this procedure require the use of a ladder. To prevent the inadvertent bumping of plant equipment, use of the ladder **MUST BE SIMULATED.**

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

JPM PERFORMANCE INFORMATION

Required Materials: None

General References: C.5-3203 (Use of Alternate Injection Systems for RPV Makeup)

Task Standards: Manipulate plant components to Cross-Tie Fire Water to LPCI)

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step SHALL result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: 1	Locate procedure C.5-3203 (Use Of Alternate Systems For RPV Makeup)
Critical: N	PART D.
Standard:	Locates appropriate procedure.
Evaluator Cue:	Provide operator with copy of C.5-3203 procedure.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 2	(Procedure STEP 1)
Critical: Y	CLOSE RHRSW-13, EMER INJECTION LEAKAGE TELL TALE.
Standard:	Closes RHRSW-13.
Evaluator Cue:	RHRSW-13 moves in clockwise direction, stem lowers, meets resistance and is tight.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 3	(Procedure STEP 2)
Critical: N	Verify CLOSED RHRSW-12, EMERGENCY INJECTION VIA A RHRSW LOOP.
Standard:	Verifies RHRSW-12 closed.
Evaluator Cue:	RHRSW-12 when attempt to move clockwise, meets resistance and is tight.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 4	(Procedure STEP 3)
Critical: N	Verify CLOSED the following valves: <ul style="list-style-type: none"> • MO-2020, RHR DIV 1 DRYWELL SPRAY – OUTBOARD • MO-2006, RHR DIV 1 DISCHARGE TO TORUS – OUTBOARD • MO-2021, RHR DIV 2 DRYWELL SPRAY – OUTBOARD • MO-2007, RHR DIV 2 DISCHARGE TO TORUS – OUTBOARD
Standard:	Verifies valves closed by calling the Control Room.
Evaluator Cue:	Control Room verifies MO-2020, MO-2006, MO-2021 and MO-2007 indicates CLOSED.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: 5	(Procedure STEP 4)
Critical: Y	<p>OPEN the following valves:</p> <ul style="list-style-type: none"> • RHRSW-46, EMERGENCY INJECT VIA DIESEL FIRE PUMP • RHRSW-14, EMERGENCY INJECTION VIA A RHRSW LOOP
Standard:	<ol style="list-style-type: none"> 1. Opens RHRSW-46 2. Opens RHRSW-14 <p>(Non-Critical portion of Standard) Informs Control Room STEP 4 is complete.</p>
Evaluator Cue:	<ul style="list-style-type: none"> • RHRSW-46 handwheel moves in the counterclockwise direction, the stem rises, meets resistance and is tight. • RHRSW-14 handwheel moves in the counterclockwise direction, the stem rises, meets resistance and is tight. <p>For this procedure step, a stepladder designated for this procedure is located by door 40. When operator goes to obtain the ladder, indicate that the ladder is in position.</p>
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When the RHRSW valves are closed, state the JPM is complete.

Stop Time: _____

Historical Record: Revision 11

- Updates for 2013 ILT NRC Exam
- Based on Revision 13 of C.5-3203

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- An emergency condition exists requiring the use of Alternate Injection Systems for RPV Makeup.
- The Diesel Fire Pump is operating and RHRSW is not supplying RHR

INITIATING CUES:

- The CRS directs you to perform the IN-PLANT steps for lining up the Fire Water system for LPCI Injection using C.5-3203.
- **ALL OPERATOR ACTIONS ARE TO BE SIMULATED.**

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.