Job Performance Measure

Review a Completed SRV Actuation Report

JPM Number: JPM444

Revision Number: 04

Date: 8/19/2020

Developed By:	Bill Kiser /		8/19/20
	Instructor: Print / Sign		Date
Reviewed By:	Brian Steele /		3/01/21
	SME or Instructor: Print / Sign		Date
Reviewed By:	Tim Windingland /		3/11/21
	Operations Representative: Print / Sign		Date
Approved By:	Matthew Beeler /		3/11/21
	Training Department: Print / Sign		Date

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

1. Task description and number, JPM description and number are identified. _____
2. Knowledge and Abilities (K/A) references are included. _____
3. Performance location specified. (in-plant, control room, simulator, or other) _____
4. Initial setup conditions are identified. _____
5. Initiating cue (and terminating cue if required) are properly identified. _____
6. Task standards identified and verified by instructor or SME review. _____
7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*). _____
8. IAW NUREG 1021 Appendix C, clearly identify the task standard (i.e., the predetermined qualitative or quantitative outcome) against which task performance will be measured. _____
9. Verify the procedure(s) referenced by this JPM reflects the current revision:
   - Procedure: CPS 3831.01 Revision: 6d
   - Procedure: CPS 3831.01D002 Revision: 6
   - Procedure: CPS 9056.02 Revision: 29c
   - Procedure: CPS 9056.02C001 Revision: 28
   - Procedure: CPS 3831.01F001 Revision: 4
10. Verify cues both verbal and visual are free of conflict. _____
11. Verify performance time is accurate. _____
12. If the JPM cannot be performed as written with proper responses, then revise the JPM. _____
13. When JPM is initially validated, sign and date JPM cover page. For subsequent validations, sign and date below: _____

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

SRRS: 3D.100; There are no retention requirements for this section

Revision Record (Summary)

Revision #	Summary
00	New JPM number (old 3831.0102)
01	2/22/11 – Updated for procedure revisions.
02	8/25/15 – Updated to new JPM template.
03	11/6/17 – Updated to new JPM template. Updated procedure references.
04	8/19/20 – Updated to new JPM template. Updated procedure references.

SETUP INSTRUCTIONS

1. No setup is required for this JPM.

INITIAL CONDITIONS

CPS 9056.02, Safety/Relief Valve Actuation Test was completed during steady state operations at approximately 80% power.

The Reactor Operator has just completed CPS 3831.01, Safety Relief Valve Report.

INITIATING CUE

As the CRS, perform the supervisory review of CPS 3831.01, Safety Relief Valve Report. As necessary, note/correct any identified discrepancies and initiate any appropriate actions.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

JPM Start Time: _____ JPM Sequence #: _____ of _____

Task Standard:
The examinee will review a completed SRV Actuation Report and identify errors on CPS 3831.01D002 Actuation Log blocks 305, 306 and 309.

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number

CUE	Provide the examinee with the following marked up procedures and attached diagrams:
	• Initiating Cue (last page of JPM)
	• JPM Attachments 1-4 (pages 10 – 13)
	  ○ SRV Tailpipe Temperature Graph
	  ○ IRM/APRM PPC Screenshot
	  ○ SPDS Summary Display PPC Screenshot
	  ○ SPDS RPV, PRI-CNMT and H_2 PPC Screenshot
	• CPS 9056.02 Safety/Relief Valve Actuation Test
	• CPS 9056.02C001 Safety/Relief Valve Manual Actuation Checklist
	• CPS 3831.01 Safety Relief Valve Report
	• CPS 3831.01D002 Actuation Log				

NOTE:	JPM steps 1 - 5 can be performed in any order.				
***01**	Reviews blocks 302 - 305 of CPS 3831.01D002 Actuation Log.	Examinee determines that the type of actuation recorded in block 305 is incorrectly entered as “A” and should be “B”.	☐	☐	___
CUE	If the examinee reports the error, cue him/her to complete the review of the report. If the examinee asks for a copy of CPS 4009.01 Inadvertent Opening Safety Relief Valve, inform him/her that the off-normal procedure is being completed by another operator.				

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
***02**	Reviews block 306 of CPS 3831.01D002 Actuation Log.	Examinee determines that the cause/reason for actuation recorded in block 306 is incorrectly entered as "E" and should be "C".	☐	☐	___
CUE	If the examinee reports the error, cue the examinee to complete the review of the report.				
***03**	Reviews blocks 307 - 309 of CPS 3831.01D002 Actuation Log.	Examinee determines that the time for tailpipe temperature to return to normal recorded in block 309 is incorrectly entered as "95 min" (tailpipe temperature has not yet returned to normal).	☐	☐	___
04	Reviews blocks 310 – 314 of CPS 3831.01D002 Actuation Log.	Examinee determines that the block 314 entry is: • correct (entered as "B") because the SRV passed the acceptance criteria of CPS 9056.02, OR • incorrect due to a SRV failure (based on seat leakage), THEN changes block 314 from "B" to "A" and/or "E".	☐	☐	___

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
CUE	If the examinee requests an LER number, cue the examinee that the next available number is 21-005.				
05	Reviews block 315 of CPS 3831.01D002 Actuation Log.	Examinee determines that the block 315 entry is: • correct based on the block 314 entry of "B", OR • incorrect based on changing the block 314 entry to an "A" and/or "E" (assumes SRV failure occurred), THEN changes block 315 from "N/A" to the next LER number.	☐	☐	___
CUE	**Upon request**, provide the examinee with CPS 3831.01F001 Comment Sheet.				
06	Reviews block 316 of CPS 3831.01D002 Actuation Log.	Examinee determines that the block 316 entry is: • correct based on the block 314 entry of "B", OR • incorrect based on changing the block 314 entry to an "A" and/or "E" (assumes SRV failure occurred), THEN changes block 316 from "No" to "Yes". If examinee changes block 316 to "Yes", the examinee will annotate the failure of SRV F047A to reseat in the comment section of CPS 3831.01F001.	☐	☐	___
CUE	JPM is complete.				

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert

JPM Title: Review a Completed SRV Actuation Report

JPM Number: JPM444 Revision Number: 04

Task Number and Title: 383101.01, Complete Control Room actions to document data on failures and actuations of the Safety Relief Valves in the Main Steam System and to generate reports required by the Nuclear Regulatory Commission.

Task Standard: The examinee will review a completed SRV Actuation Report and identify errors on CPS 3831.01D002 Actuation Log blocks 305, 306 and 309.

K/A Number and Importance:

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.1.18	3.6	3.8

Suggested Testing Environment: Classroom

Alternate Path: ☐ Yes ☒ No SRO Only: ☒ Yes ☐ No Time Critical: ☐ Yes ☒ No

Reference(s):

Procedure:	CPS 3831.01	Revision:	6d
	CPS 3831.01D002	Revision:	6
	CPS 9056.02	Revision:	29c
	CPS 9056.02C001	Revision:	28
	CPS 3831.01F001	Revision:	4

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 20 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

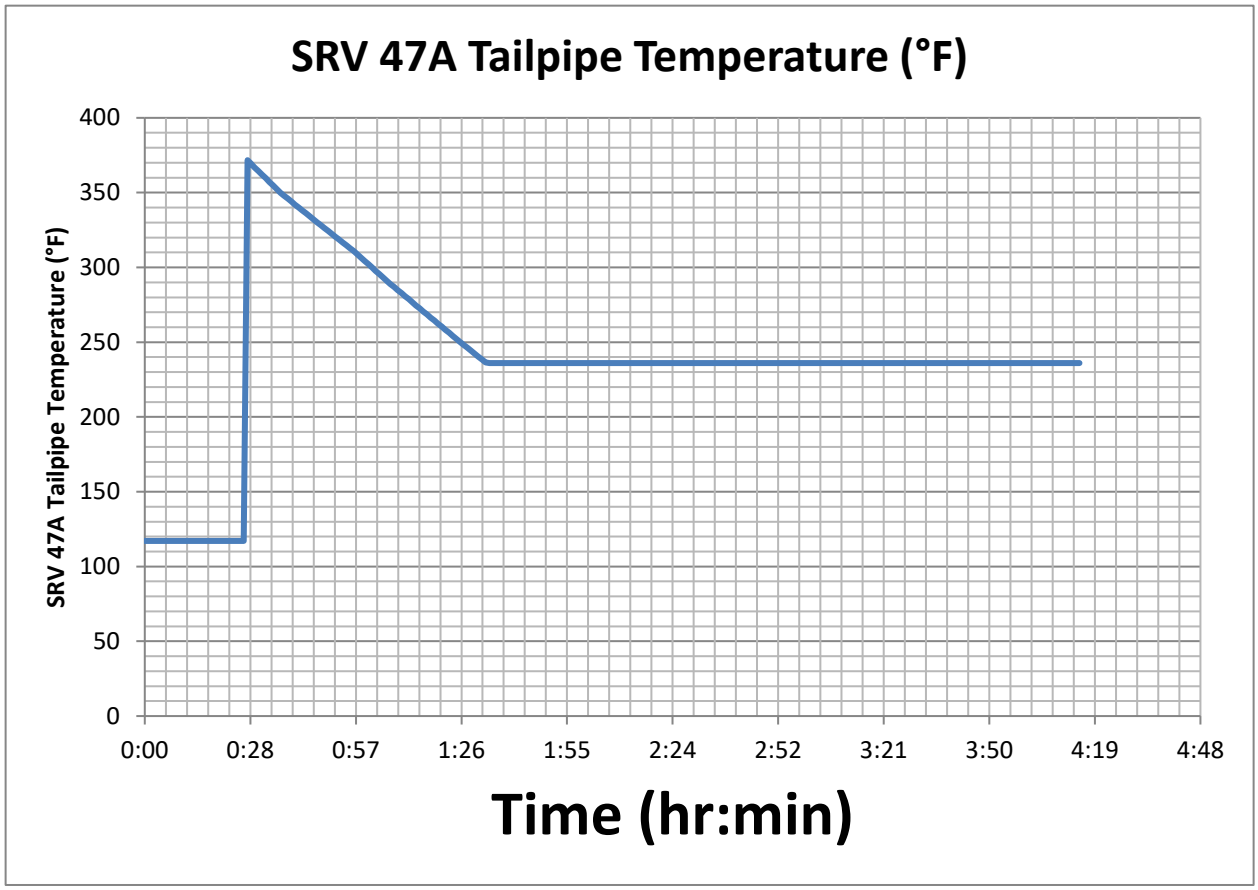
The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

NOTE: Enter finalized grading, comments, and notes relevant to this evaluation in the associated TQ-AA-150-F03A/B. (See AR 4282419).

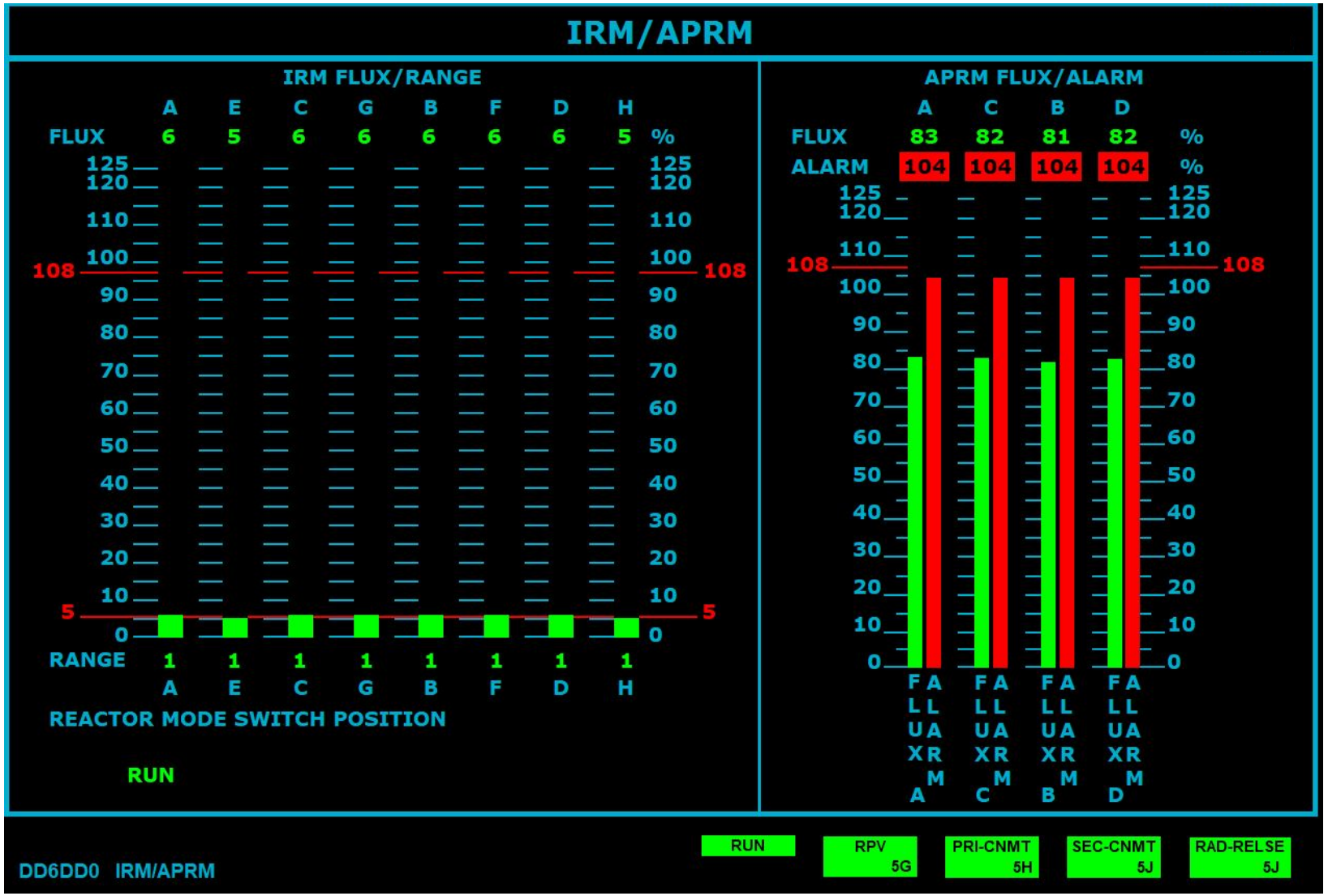
Evaluator's Name (Print): _____

Evaluator's Signature: _____ **Date**: _____

Attachment 1: SRV Tailpipe Temperature Graph

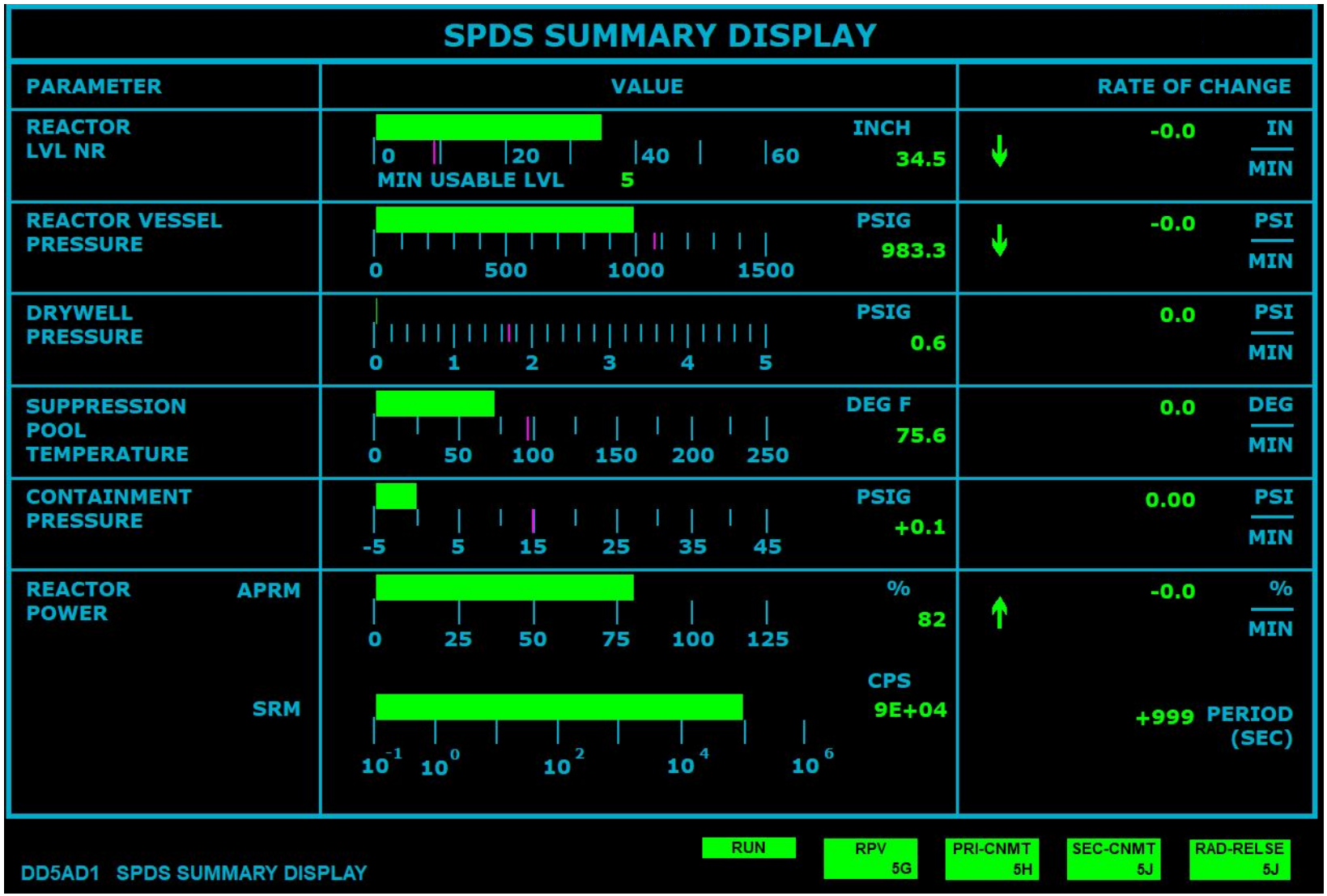


Attachment 2: IRM/APRM PPC Screenshot



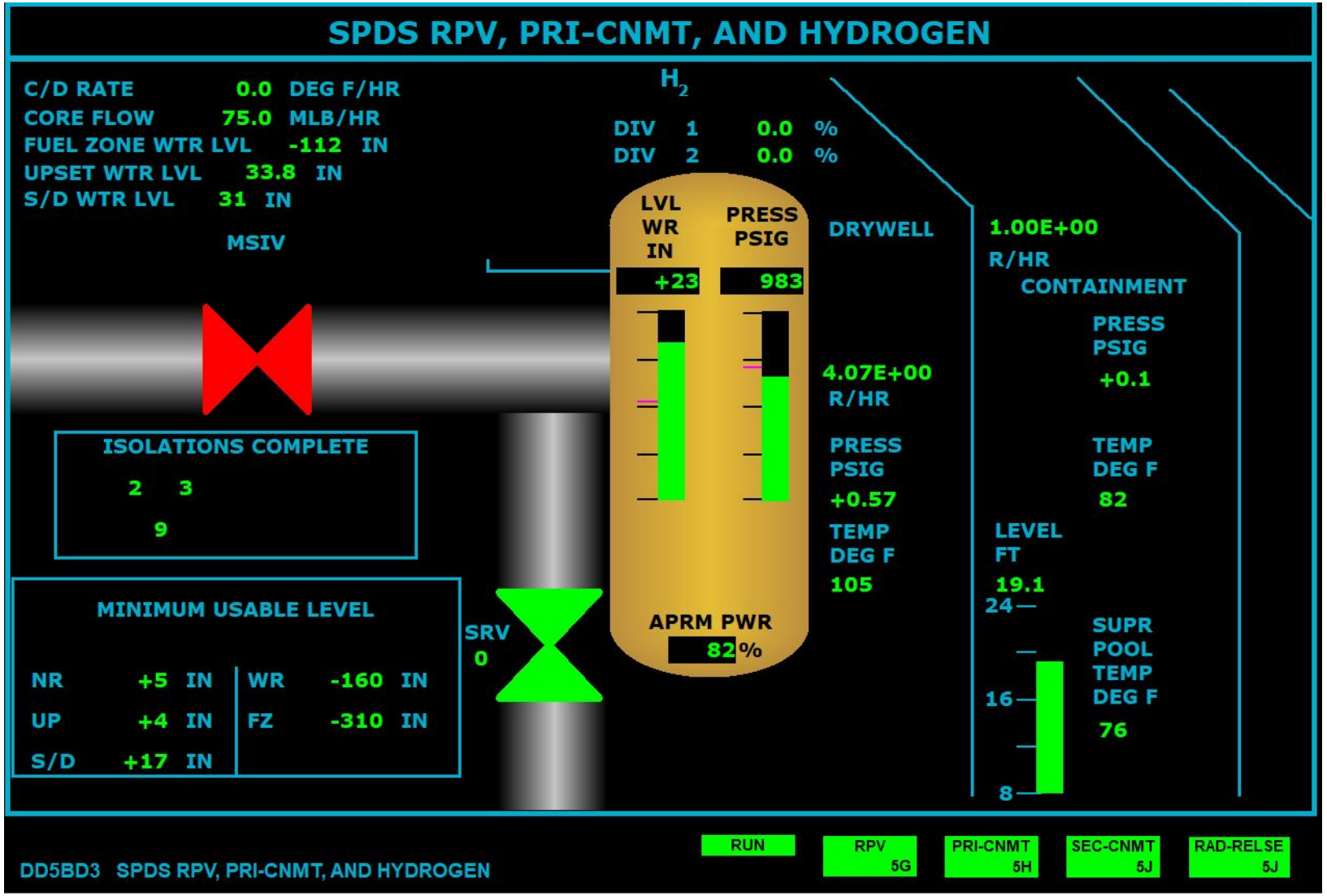
SRRS: 3D.100; There are no retention requirements for this section

Attachment 3: SPDS Summary Display PPC Screenshot



SRRS: 3D.100; There are no retention requirements for this section

Attachment 4: SPDS RPV, PRI-CNMT and H_2 PPC Screenshot



SRRS: 3D.100; There are no retention requirements for this section

INITIAL CONDITIONS

CPS 9056.02, Safety/Relief Valve Actuation Test was completed during steady state operations at approximately 80% power.

The Reactor Operator has just completed CPS 3831.01, Safety Relief Valve Report.

INITIATING CUE

As the CRS, perform the supervisory review of CPS 3831.01, Safety Relief Valve Report. As necessary, note/correct any identified discrepancies and initiate any appropriate actions.

Job Performance Measure

Failed SRM During Refuel

JPM Number: JPM434

Revision Number: 00

Date: 8/19/2020

Developed By: Bill Kiser / _____ 8/19/20
Instructor: Print / Sign — Date

Reviewed By: Brian Steele / _____ 3/01/21
SME or Instructor: Print / Sign — Date

Reviewed By: Tim Windingland / _____ 3/11/21
Operations Representative: Print / Sign — Date

Approved By: Matthew Beeler / _____ 3/11/21
Training Department: Print / Sign — Date

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

1. Task description and number, JPM description and number are identified. _____
2. Knowledge and Abilities (K/A) references are included. _____
3. Performance location specified. (in-plant, control room, simulator, or other) _____
4. Initial setup conditions are identified. _____
5. Initiating cue (and terminating cue if required) are properly identified. _____
6. Task standards identified and verified by instructor or SME review. _____
7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*). _____
8. IAW NUREG 1021 Appendix C, clearly identify the task standard (i.e., the predetermined qualitative or quantitative outcome) against which task performance will be measured. _____
9. Verify the procedure(s) referenced by this JPM reflects the current revision:
   Procedure: CPS 9000.01D002 Revision: 39
   Procedure: CPS 9000.03 Revision: 27c
   Procedure: ITS 3.3.1.2 Amend: 188
   Procedure: _____ Revision: _____
10. Verify cues both verbal and visual are free of conflict. _____
11. Verify performance time is accurate. _____
12. If the JPM cannot be performed as written with proper responses, then revise the JPM. _____
13. When JPM is initially validated, sign and date JPM cover page. For subsequent validations, sign and date below: _____

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

SRRS: 3D.100; There are no retention requirements for this section

Revision Record (Summary)

Revision #	Summary
00	8/19/20 – New JPM

SETUP INSTRUCTIONS

1. No setup is required for this JPM.

INITIAL CONDITIONS

You are the CRS on the Night shift.

The reactor plant is in Mode 5.

All core quadrants contain fuel assemblies.

All Control Rods are inserted and core alterations are in progress in the Northwest Quadrant.

The Reactor Operator has just completed CPS 9000.03, Core Alteration Surveillance Log and CPS 9000.01D002, Control Room Surveillance Log - Mode 4, 5 Data Sheet.

INITIATING CUE

As the CRS, perform the supervisory review of CPS 9000.03, Core Alteration Surveillance Log and CPS 9000.01D002, Control Room Surveillance Log - Mode 4, 5 Data Sheet. As necessary, note/correct any identified discrepancies and initiate any appropriate actions.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

JPM Start Time: _____ JPM Sequence #: _____ of _____

Task Standard:
The examinee will review CPS 9000.01D002 & CPS 9000.03 and determine core alterations:

- are being performed in a quadrant without an operable SRM.
- must be immediately suspended IAW ITS LCO 3.3.1.2 SRM Instrumentation.

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number

CUE	Provide the examinee with a copy of:
	• Initiating Cue (last page of JPM)
	• Reactor Core Map (Attachment 1 of the JPM)
	• Marked Up procedures:
	  ○ CPS 9000.03 Core Alteration Surveillance Log
	  ○ CPS 9000.01D002 Control Room Surveillance Log - Mode 4, 5 Data Sheet
	• CPS Technical Specifications (Books 1 & 2)				

***01**	Performs a supervisory review of CPS 9000.03 and CPS 9000.01D002.	CPS 9000.01D002 Step 8.4.1.2.a **a. Examinee determines that SRM 'A' is downscale (less than 3 cps).**	☐	☐	___
		CPS 9000.03 Step 8.1.3.2.2 **b. Examinee determines that an inoperable detector (SRM 'A') is located in the quadrant where core alterations are occurring and step should not have been initialed.**	☐	☐	___
		CPS 9000.03 Step 8.1.3.2.3 c. Examinee determines that adjacent quadrants have operable SRMs.	☐	☐	___

SRRS: 3D.105 (when utilized for operator initial or continuing training)

STEP	**ELEMENT**	**STANDARD**	**SAT**	**UNSAT**	**Comment Number**
***02**	Reviews CPS 9000.03 Acceptance Criteria.	Step 9.0 **Examinee determines Acceptance Criteria is not met.**	☐	☐	___
CUE	If the examinee fails to review ITS 3.3.1.2, cue him/her to determine required actions, if any.				
***03**	Reviews ITS 3.3.1.2 SRM Instrumentation to identify Action Statements for implementation.	ITS 3.3.1.2 **Examinee enters ITS 3.3.1.2 Required Actions E.1 and E.2 and reports that CORE ALTERATIONS are to be suspended immediately.**	☐	☐	___
CUE	If the examinee reports that core alterations should be suspended, acknowledge the report. JPM is complete.				

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert

JPM Title: Failed SRM During Refuel

JPM Number: JPM434 Revision Number: 00

Task Number and Title: 900003.01 / Core Alteration Surveillance Log

Task Standard: The examinee will review CPS 9000.01D002 & CPS 9000.03 and determine core alterations:

- are being performed in a quadrant without an operable SRM.
- must be immediately suspended IAW ITS LCO 3.3.1.2 SRM Instrumentation.

K/A Number and Importance:

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.1.36	3.0	4.1

Suggested Testing Environment: Classroom

Alternate Path: ☐ Yes ☒ No SRO Only: ☒ Yes ☐ No Time Critical: ☐ Yes ☒ No

Reference(s):

Procedure:	CPS 9000.01D002	Revision:	39
	CPS 9000.03	Revision:	27c
	CPS ITS 3.3.1.2	Amend:	188

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 15 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

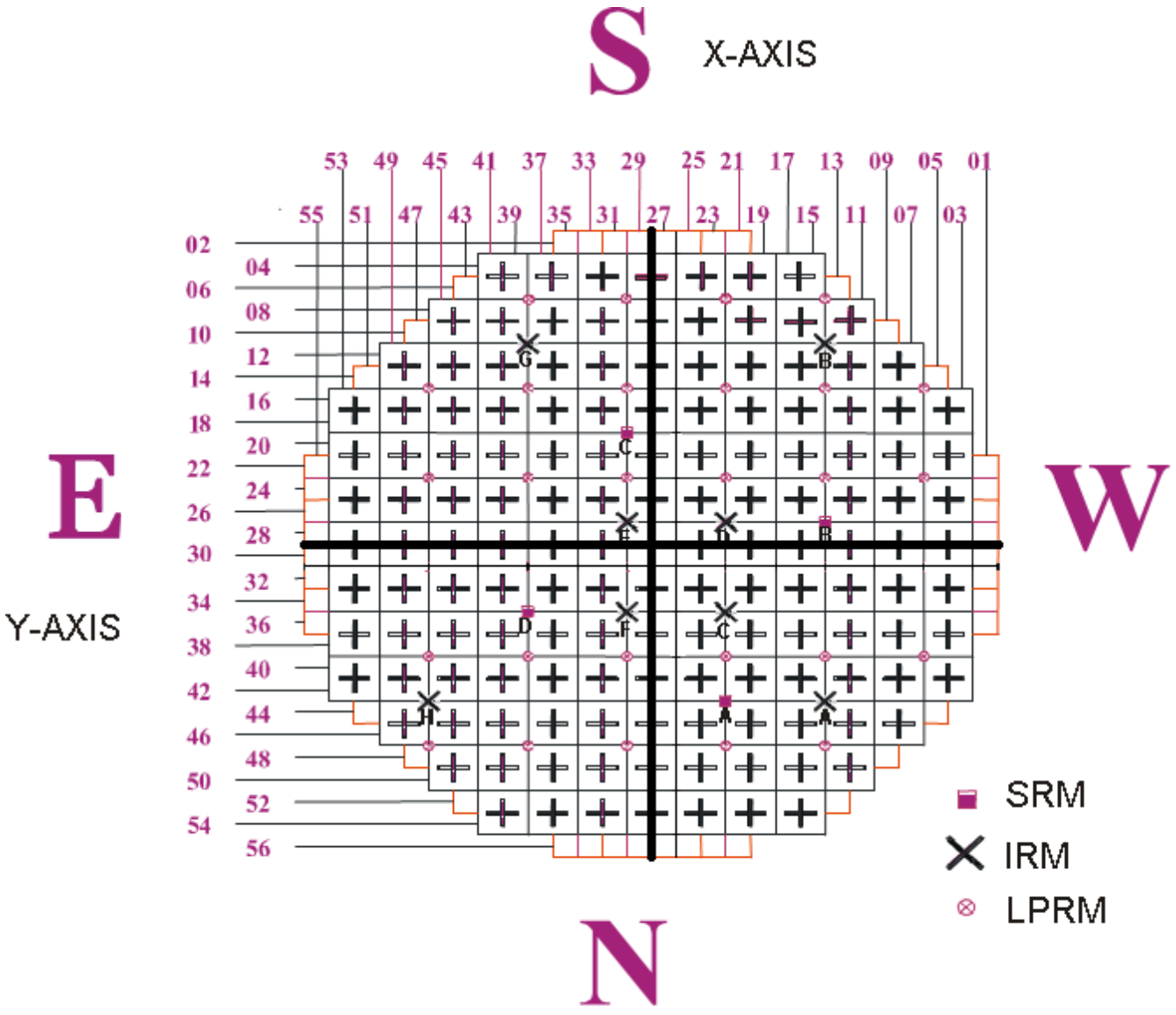
The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

NOTE: Enter finalized grading, comments, and notes relevant to this evaluation in the associated TQ-AA-150-F03A/B. (See AR 4282419).

Evaluator's Name (Print): _____

Evaluator's Signature: _____ **Date**: _____

Attachment 1: Reactor Core Map



INITIAL CONDITIONS

You are the CRS on the Night shift.

The reactor plant is in Mode 5.

All core quadrants contain fuel assemblies.

All Control Rods are inserted and core alterations are in progress in the Northwest Quadrant.

The Reactor Operator has just completed CPS 9000.03, Core Alteration Surveillance Log and CPS 9000.01D002, Control Room Surveillance Log - Mode 4, 5 Data Sheet.

INITIATING CUE

As the CRS, perform the supervisory review of CPS 9000.03, Core Alteration Surveillance Log and CPS 9000.01D002, Control Room Surveillance Log - Mode 4, 5 Data Sheet. As necessary, note/correct any identified discrepancies and initiate any appropriate actions.

Job Performance Measure

Review CPS 9071.01A Diesel Driven Fire Pump A Operability Test

JPM Number: JPM556

Revision Number: 01

Date: 8/20/2020

Developed By:	Bill Kiser /		8/20/20
	Instructor: Print / Sign		Date
Reviewed By:	Brian Steele /		3/01/21
	SME or Instructor: Print / Sign		Date
Reviewed By:	Tim Windingland /		3/11/21
	Operations Representative: Print / Sign		Date
Approved By:	Matthew Beeler /		3/11/21
	Training Department: Print / Sign		Date

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

1. Task description and number, JPM description and number are identified. _____
2. Knowledge and Abilities (K/A) references are included. _____
3. Performance location specified. (in-plant, control room, simulator, or other) _____
4. Initial setup conditions are identified. _____
5. Initiating cue (and terminating cue if required) are properly identified. _____
6. Task standards identified and verified by instructor or SME review. _____
7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*). _____
8. IAW NUREG 1021 Appendix C, clearly identify the task standard (i.e., the predetermined qualitative or quantitative outcome) against which task performance will be measured. _____
9. Verify the procedure(s) referenced by this JPM reflects the current revision:
   - Procedure: CPS 9071.01A Revision: 00b
   - Procedure: CPS 1893.01 Revision: 22a
   - Procedure: CPS 1893.06 Revision: 13
   - Procedure: _____ Revision: _____
10. Verify cues both verbal and visual are free of conflict. _____
11. Verify performance time is accurate. _____
12. If the JPM cannot be performed as written with proper responses, then revise the JPM. _____
13. When JPM is initially validated, sign and date JPM cover page. For subsequent validations, sign and date below: _____

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

Revision Record (Summary)

Revision #	Summary
00	3/5/18 – New JPM.
01	8/20/20 – Updated references. Updated JPM template.

SETUP INSTRUCTIONS

1. No setup is required for this JPM.

INITIAL CONDITIONS

The plant is in Mode 1.

CPS 9071.01A, Diesel Driven Fire Pump A Operability Test is field complete.

INITIATING CUE

As the CRS, perform the supervisory review of CPS 9071.01A, Diesel Driven Fire Pump A Operability Test. As necessary, note/correct any identified discrepancies and initiate any appropriate actions.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

JPM Start Time: _____ JPM Sequence #: _____ of _____

Task Standard:
The examinee will review CPS 9071.01A and determine:

- Acceptance Criteria of sections 9.2.1.1 and 9.2.2 were not met, and
- the pump must be restored to FUNCTIONAL status within 7 days or an alternate backup pump must be provided.

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
CUE	Provide the examinee with a copy of the Initiation Cue (last page of JPM) and a marked up copy of CPS 9071.01A Diesel Driven Fire Pump A Operability Test. **Upon request ONLY**, provide the examinee with a copy of CPS 1893.06 Fire Protection Maintenance And Testing Program.				
***01**	Determines 0FP01PA coolant temperature exceeded the Normal Engine Coolant Temperature range (for using a surface contact pyrometer) per the Note Statement prior to step 8.2.14 at the top of page 14 and section 9.2.2 Acceptance Criteria.	Reviews the procedure and discovers the following: • **8.2.14 - Determines that test performer incorrectly applied the Normal Engine Coolant Temperature Range for the installed temperature gauge 1TI-FP289 (160°F - 200°F). Should be using the Normal Engine Coolant Range for a surface contact pyrometer (140°F - 172°F).** • **Actual recorded engine coolant temperature (via surface contact pyrometer) exceeded 172°F.**	☐	☐	___

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
NOTE:	Calculations for 8.2.22 are as follows: • 8.2.6.3 start time - 0124 • 8.2.24 time – 0150 • 8.3.5 time – 0152 • Total time operating at full speed – 28 minutes.				
***02**	Determines 0FP01PA: • was not run for the required time (section 9.2.1.1 Acceptance Criteria.	Reviews the procedure and discovers the following: • **8.2.22 - test performer failed to run 0FP01PA for the required 30 minutes.**	☐	☐	___
CUE	If the examinee identifies at least one of the deficiencies in step 1, cue him/her to determine required actions, if any. **Upon request**, provide examinee with a copy of CPS 1893.01 Fire Protection Impairment Reporting.				
***03**	Determines required action for a non-functional Fire Pump.	**For high coolant temperature (valid non-functional Fire Pump call):** • **Reviews CPS 1893.01 Fire Protection Impairment Reporting Appendix A Fire Protection Functionality Requirements, and determines that the non-functional pump must be restored to FUNCTIONAL status within 7 days or provide an alternate backup pump.**	☐	☐	___

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
		For time requirement not met: • Surveillance is not met and cannot be credited as such.	☐	☐	___
CUE	If requested, inform examinee that the surveillance is not past its late date.				
CUE	JPM is complete.				

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert

JPM Title: Review CPS 9071.01A Diesel Driven Fire Pump A Operability Test

JPM Number: JPM556 Revision Number: 01

Task Number and Title: 101100.01 Apply the administrative requirements of SURVEILLANCE TESTING PROGRAM

Task Standard: The examinee will review CPS 9071.01A and determine:

- Acceptance Criteria of sections 9.2.1.1 and 9.2.2 were not met, and
- the pump must be restored to FUNCTIONAL status within 7 days or an alternate backup pump must be provided.

K/A Number and Importance:

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.2.12	3.7	4.1

Suggested Testing Environment: Classroom

Alternate Path: ☐ Yes ☒ No SRO Only: ☒ Yes ☐ No Time Critical: ☐ Yes ☒ No

Reference(s):

Procedure:	CPS 9071.01A	Revision:	00b
	CPS 1893.01	Revision:	22a
	CPS 1893.06	Revision:	13

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 15 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

NOTE: Enter finalized grading, comments, and notes relevant to this evaluation in the associated TQ-AA-150-F03A/B. (See AR 4282419).

Evaluator's Name (Print): _____

Evaluator's Signature: _____ **Date**: _____

INITIAL CONDITIONS

The plant is in Mode 1.

CPS 9071.01A, Diesel Driven Fire Pump A Operability Test is field complete.

INITIATING CUE

As the CRS, perform the supervisory review of CPS 9071.01A, Diesel Driven Fire Pump A Operability Test. As necessary, note/correct any identified discrepancies and initiate any appropriate actions.

Job Performance Measure

Select Volunteers and Authorize an Emergency Exposure for a Life-Saving Operation

JPM Number: JPM516

Revision Number: 02

Date: 8/20/2020

Developed By:	Bill Kiser /		8/20/20
	Instructor: Print / Sign		Date
Reviewed By:	Brian Steele /		3/01/21
	SME or Instructor: Print / Sign		Date
Reviewed By:	Tim Windingland /		3/11/21
	Operations Representative: Print / Sign		Date
Approved By:	Matthew Beeler /		3/11/21
	Training Department: Print / Sign		Date

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

1. Task description and number, JPM description and number are identified. _____
2. Knowledge and Abilities (K/A) references are included. _____
3. Performance location specified. (in-plant, control room, simulator, or other) _____
4. Initial setup conditions are identified. _____
5. Initiating cue (and terminating cue if required) are properly identified. _____
6. Task standards identified and verified by instructor or SME review. _____
7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*). _____
8. IAW NUREG 1021 Appendix C, clearly identify the task standard (i.e., the predetermined qualitative or quantitative outcome) against which task performance will be measured. _____
9. Verify the procedure(s) referenced by this JPM reflects the current revision:
   Procedure: EP-AA-113 Revision: 15
   Procedure: EP-AA-113-f-02 Revision: B
   Procedure: _____ Revision: _____
   Procedure: _____ Revision: _____
10. Verify cues both verbal and visual are free of conflict. _____
11. Verify performance time is accurate. _____
12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
13. When JPM is initially validated, sign and date JPM cover page. For subsequent validations, sign and date below: _____

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

Revision Record (Summary)

Revision #	Summary
00	6/14/13 – New JPM developed for the ILT 12-1 NRC Exam. JPM was modeled after a JPM administered during an ILT Exam at LaSalle in 2012.
01	7/11/16 – Updated procedure references.
02	8/20/20 – Updated references. Updated JPM template.

SETUP INSTRUCTIONS

1. No setup is required for this JPM.

INITIAL CONDITIONS

A General Emergency has been declared.

Fuel failure has occurred together with a large break LOCA.

Containment venting is in progress in order to maintain containment integrity.

The TSC has been activated, but has not been staffed.

The appropriate EAL has been declared.

An emergency lifesaving operation must be performed.

- The operation is estimated to take between 12 and 15 minutes
- There is a 200 R/hr field in the area

The operation requires two (2) people to enter the field. Three (3) people have volunteered:

- Bob Black, Employee # B537347
  - Has never received an emergency exposure
  - He is familiar with the procedures for rescuing the victim, and is fully aware of the risks involved.
- Gary Green, Employee # B734753
  - Has never received an emergency exposure
  - He is familiar with the procedures for rescuing the victim, and is fully aware of the risks involved.
- Walter White, Employee # B573472
  - Received a 27 R dose at a reactor in South Africa when he volunteered to assist in a similar life-saving operation.
  - He is familiar with the procedures for rescuing the victim, and is fully aware of the risks involved.

A Rad Protection Supervisor has briefed the three volunteers.

INITIATING CUE

As the acting Station Emergency Director, perform the actions necessary to permit the life-saving operation.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

JPM Start Time: _____ JPM Sequence #: _____ of _____

Task Standard:
The examinee will evaluate three candidates for a lifesaving operation in accordance with EP-AA-113:

- determine one candidate is ineligible, and
- authorize the remaining two candidates to perform the work.

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
CUE	Provide the examinee with copies of: • Initiating Cue (last page of JPM) • Marked Up copies of EP-AA-113-F-02 Authorization For Emergency Exposure (pages 11-14 of JPM) • **When requested,** EP-AA-113 Personnel Protective Actions				
01	4.3.1 Makes emergency exposure determination.	Examinee determines exposure is: • for a bona fide emergency. • In excess of 5 Rem TEDE ○ calculated to be in excess of 25 Rem (12 to 15 minutes in a 200 Rem/Hr field is 40 to 50 Rem).	☐	☐	___
02	4.3.2.1 Verifies EP-AA-113-F-02 Authorization for Emergency Exposure form completed by Emergency Worker.	Examinee verifies applicable forms: • have Name / Date / Time / Employee ID # / Current Annual Exposure / Reason For Request blocks filled in. • have the REQUESTING AUTHORIZATION TO EXCEED box checked for 25 Rem TEDE.	☐	☐	___

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
03	4.3.2.2 – 4.3.2.3 Verifies that emergency workers volunteered and have been briefed on the possible health effects of the anticipated exposure.	Examinee recalls Initial Conditions and/or verifies signature of each emergency worker on their respective EP-AA-113-F-02.	☐	☐	___
***04**	4.3.3 NOTE Recognizes emergency exposure in excess of 25 Rem TEDE is to be limited to once in a lifetime.	**Examinee recognizes the previous emergency exposure of 27 Rem by Walter White and eliminates him as a potential rescuer. The examinee does <u>not</u> sign this volunteer's form EP-AA-113-F-02.**	☐	☐	___
***05**	4.3.3.1 Completes Authorization for Emergency Exposure for Bob Black and Gary Green	**Examinee signs the EP-AA-113-F-02 for Bob Black and Gary Green as Station Emergency Director.**	☐	☐	___
CUE	JPM is complete.				

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert

JPM Title: Select Volunteers and Authorize an Emergency Exposure for a Life-Saving Operation

JPM Number: JPM516 Revision Number: 02

Task Number and Title: 997777.03 Emergency Plan Activities performed by an SRO

Task Standard: The examinee will evaluate three candidates for a lifesaving operation in accordance with EP-AA-113:

- determine one candidate is ineligible, and
- authorize the remaining two candidates to perform the work.

K/A Number and Importance:

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.3.4	3.2	3.7

Suggested Testing Environment: Classroom

Alternate Path: ☐ Yes ☒ No SRO Only: ☒ Yes ☐ No Time Critical: ☐ Yes ☒ No

Reference(s):

Procedure:	EP-AA-113	Revision:	15
	EP-AA-113-F-02	Revision:	B
		Revision:	

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 15 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

NOTE: Enter finalized grading, comments, and notes relevant to this evaluation in the associated TQ-AA-150-F03A/B. (See AR 4282419).

Evaluator's Name (Print): _____

Evaluator's Signature: _____ **Date**: _____

Exelon Nuclear

EP-AA-113-F-02
Revision B
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AUTHORIZATION FOR EMERGENCY EXPOSURE

Name: Bob Black Date / Time: XX/XX/XXXX XX:XX

Employee ID Number: B537347 Current Annual Exposure: 152. mRem

Reason For Request:

Lifesaving operation.

REQUESTING AUTHORIZATION TO EXCEED:

- ☐ 5 Rem TEDE (Authorized to receive greater than 5 Rem TEDE but less than 10 Rem TEDE)
- ☐ 10 Rem TEDE (Authorized to receive greater than 10 Rem TEDE but less than 25 Rem TEDE)
- ☒ 25 Rem TEDE (Authorized to receive greater than 25 Rem TEDE)

Bob Black XX/XX/XXXX XX:XX

* Emergency Worker Signature — Date / Time

* Emergency Worker Exposure Limits and Associated Risks (EP-AA-113 Attachment 1) have been reviewed and the potential health affects are understood.

R. P. Manager XX/XX/XXXX XX:XX

Rad. Protection Management (Review) — Date / Time

_____ _____

Station Emergency Director (Authorization) — Date / Time

The Shift Manager (Shift Emergency Director) may approve prior to transferring Command and Control to the Station Emergency Director.

Document Retention SRRS ID – 5B.100

SRRS: 3D.100; There are no retention requirements for this section

Exelon Generation

Exelon Nuclear

EP-AA-113-F-02
Revision B
Page 1 of 1

AUTHORIZATION FOR EMERGENCY EXPOSURE

Name: Gary Green Date / Time: XX/XX/XXXX XX:XX

Employee ID Number: B734753 Current Annual Exposure: 57 mRem

Reason For Request:

Lifesaving operation.

REQUESTING AUTHORIZATION TO EXCEED:

- ☐ 5 Rem TEDE (Authorized to receive greater than 5 Rem TEDE but less than 10 Rem TEDE)
- ☐ 10 Rem TEDE (Authorized to receive greater than 10 Rem TEDE but less than 25 Rem TEDE)
- ☒ 25 Rem TEDE (Authorized to receive greater than 25 Rem TEDE)

Gary Green XX/XX/XXXX XX:XX

* Emergency Worker Signature Date / Time

* Emergency Worker Exposure Limits and Associated Risks (EP-AA-113 Attachment 1) have been reviewed and the potential health affects are understood.

R. P. Manager XX/XX/XXXX XX:XX

Rad. Protection Management (Review) Date / Time

_____ _____

Station Emergency Director (Authorization) Date / Time

The Shift Manager (Shift Emergency Director) may approve prior to transferring Command and Control to the Station Emergency Director.

Document Retention SRRS ID – 5B.100

SRRS: 3D.100; There are no retention requirements for this section

Exelon Nuclear

EP-AA-113-F-02
Revision B
Page 1 of 1

AUTHORIZATION FOR EMERGENCY EXPOSURE

Name: Walter White Date / Time: XX/XX/XXXX XX:XX

Employee ID Number: B573472 Current Annual Exposure: 98 mRem

Reason For Request:

Lifesaving operation.

REQUESTING AUTHORIZATION TO EXCEED:

- ☐ 5 Rem TEDE (Authorized to receive greater than 5 Rem TEDE but less than 10 Rem TEDE)
- ☐ 10 Rem TEDE (Authorized to receive greater than 10 Rem TEDE but less than 25 Rem TEDE)
- ☒ 25 Rem TEDE (Authorized to receive greater than 25 Rem TEDE)

Walter White XX/XX/XXXX XX:XX

* Emergency Worker Signature — Date / Time

* Emergency Worker Exposure Limits and Associated Risks (EP-AA-113 Attachment 1) have been reviewed and the potential health affects are understood.

R. P. Manager XX/XX/XXXX XX:XX

Rad. Protection Management (Review) — Date / Time

_____ _____

Station Emergency Director (Authorization) — Date / Time

The Shift Manager (Shift Emergency Director) may approve prior to transferring Command and Control to the Station Emergency Director.

Document Retention SRRS ID – 5B.100

SRRS: 3D.100; There are no retention requirements for this section

INITIAL CONDITIONS

A General Emergency has been declared.

Fuel failure has occurred together with a large break LOCA.

Containment venting is in progress in order to maintain containment integrity.

The TSC has been activated, but has not been staffed.

The appropriate EAL has been declared.

An emergency lifesaving operation must be performed.

- The operation is estimated to take between 12 and 15 minutes
- There is a 200 R/hr field in the area

The operation requires two (2) people to enter the field. Three (3) people have volunteered:

- Bob Black, Employee # B537347
  - Has never received an emergency exposure
  - He is familiar with the procedures for rescuing the victim, and is fully aware of the risks involved.
- Gary Green, Employee # B734753
  - Has never received an emergency exposure
  - He is familiar with the procedures for rescuing the victim, and is fully aware of the risks involved.
- Walter White, Employee # B573472
  - Received a 27 R dose at a reactor in South Africa when he volunteered to assist in a similar life-saving operation.
  - He is familiar with the procedures for rescuing the victim, and is fully aware of the risks involved.

A Rad Protection Supervisor has briefed the three volunteers.

INITIATING CUE

As the acting Station Emergency Director, perform the actions necessary to permit the life-saving operation.

Job Performance Measure

Authorize Use Of KI

JPM Number: JPM572

Revision Number: 00

Date: 2/16/2021

Developed By: Bill Kiser / _____ 2/16/21
Instructor: Print / Sign — Date

Reviewed By: Brian Steele / _____ 3/03/21
SME or Instructor: Print / Sign — Date

Reviewed By: Tim Windingland / _____ 3/11/21
Operations Representative: Print / Sign — Date

Approved By: Matthew Beeler / _____ 3/11/21
Training Department: Print / Sign — Date

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

1. Task description and number, JPM description and number are identified. _____
2. Knowledge and Abilities (K/A) references are included. _____
3. Performance location specified. (in-plant, control room, simulator, or other) _____
4. Initial setup conditions are identified. _____
5. Initiating cue (and terminating cue if required) are properly identified. _____
6. Task standards identified and verified by instructor or SME review. _____
7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*). _____
8. IAW NUREG 1021 Appendix C, clearly identify the task standard (i.e., the predetermined qualitative or quantitative outcome) against which task performance will be measured. _____
9. Verify the procedure(s) referenced by this JPM reflects the current revision:
   Procedure: EP-AA-113 Revision: 15
   Procedure: EP-AA-113-F-02 Revision: B
   Procedure: EP-AA-113-F-03 Revision: G
   Procedure: _____ Revision: _____
10. Verify cues both verbal and visual are free of conflict. _____
11. Verify performance time is accurate. _____
12. If the JPM cannot be performed as written with proper responses, then revise the JPM. _____
13. When JPM is initially validated, sign and date JPM cover page. For subsequent validations, sign and date below: _____

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

_____ / _____ _____
SME / Instructor (Print/Sign) Date

Revision Record (Summary)

Revision #	Summary
00	2/16/21 – New JPM developed for the ILT 19-1 NRC Exam. JPM was modeled after a JPM administered during an ILT Exam at Dresden in 2017.

SETUP INSTRUCTIONS

1. No setup is required for this JPM.

INITIAL CONDITIONS

1. You are the Station Emergency Director.
2. A General Emergency has been declared.
3. There is an offsite release in progress.
4. A loss of the Fuel Clad Barrier has occurred together with a loss of the Reactor Coolant System (RCS).
5. Containment is currently being challenged.
6. The TSC has NOT been activated, but the appropriate EAL has been declared.
7. An Emergency life-saving operation MUST be performed.
8. The operation will require two (2) volunteers to enter a room in the Containment Building, taking between 15 and 20 minutes in a 200 R/hr field (CDE) to complete.
9. EP-AA-113-F-02, Authorization For Emergency Exposure forms have been completed for both volunteers.

INITIATING CUE

As the Station Emergency Director, evaluate Andre Layton and Melanie Cavill in accordance with EP-AA-113 Personnel Protective Actions, section 4.4 KI Assessment.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

SRRS: 3D.100; There are no retention requirements for this section

JPM Start Time: _____ JPM Sequence #: _____ of _____

Task Standard:
Given EP-AA-113 section 4.4, the examinee will assess the potential of high thyroid exposure to emergency workers projected to be sent into an area which will expose them to radioactive iodine. The examinee will then:

- recommend issuance of KI, and
- document the decision to issue KI using EP-AA-113-F-03, Thyroid Blocking Agent Authorization.

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
CUE	Provide the examinee with copies of: • Initiating Cue (last page of JPM) • Marked Up copies of EP-AA-113-F-02 Authorization For Emergency Exposure (pages 11-12 of JPM) • EP-AA-113 Personnel Protective Actions				
01	4.4.1.1.B Determines Layton/Cavill are onsite workers.	Examinee determines Layton/ Cavill are onsite workers per the initiating cue.	☐	☐	___
CUE	If requested, a Dose Assessor is NOT available.				
02	4.4.1.1.B Condition 1 Determines there is or has been a Loss of Fuel Clad Barrier.	Examinee determines there is or has been a Loss of Fuel Clad Barrier per the initiating cue.	☐	☐	___

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
***03**	4.4.1.3 Determines Condition B is met.	Examinee determines that workers will be entering an unknown radiological atmosphere that is suspected to have a high iodine concentration. **Examinee recommends issuance of KI for BOTH individuals.**	☐	☐	___
NOTE: If required, ask the examinee the reason for issuing KI.					
CUE	If asked, Andre and/or Melanie do NOT have any adverse reactions to KI. **Upon request**, provide the examinee with a blank copy of EP-AA-113-F-03 Thyroid Blocking Agent Authorization				
***04**	4.4.2.1 Documents the decision to issue KI using THYROID BLOCKING AGENT AUTHORIZATION Form (EP-AA-113-F-03).	**Examinee enters the correct names and employee ID numbers on EP-AA-113-F-03:** **• Andre Layton B743735** **• Melanie Cavill B232425** **Examinee signs and dates EP-AA-113-F-03 as the Emergency Director authorizing the use of KI.**	☐	☐	___
05	4.4.2.2 Notifies Occupational Health (Medical) Services Department promptly that KI is to be issued to Exelon Nuclear personnel or contractors.	Examinee states that he/she would notify OHS.	☐	☐	___

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
06	4.4.3.1 Reviews EP-AA-113-F-03 for completeness.	Examinee reviews EP-AA-113-F-03 to ensure Layton/Cavill are listed.	☐	☐	___
07	4.4.3.2 Briefs Layton/Cavill on the use of a thyroid blocking agent.	Examinee reads or instructs Layton/Cavill to read "Information on use of Thyroid Blocking Agent" on EP-AA-113-F-03.	☐	☐	___
NOTE: If asked for Radiation Protection Manager to sign and date EP-AA-113-F-03, enter name as "TIG TRAGER" and today's date in the appropriate blanks. If asked, the FDA KI package insert is unavailable.					
CUE	JPM is complete.				

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert

JPM Title: Authorize Use Of KI

JPM Number: JPM572 Revision Number: 00

Task Number and Title: 997777.03 Emergency Plan Activities performed by an SRO

Task Standard: Given EP-AA-113 section 4.4, the examinee will assess the potential of high thyroid exposure to emergency workers projected to be sent into an area which will expose them to radioactive iodine. The examinee will then:

- recommend issuance of KI, and
- document the decision to issue KI using EP-AA-113-F-03, Thyroid Blocking Agent Authorization.

K/A Number and Importance:

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.4.40	2.7	4.5

Suggested Testing Environment: Classroom

Alternate Path: ☐ Yes ☒ No SRO Only: ☒ Yes ☐ No Time Critical: ☐ Yes ☒ No

Reference(s):

Procedure:	EP-AA-113	Revision:	15
	EP-AA-113-F-02	Revision:	B
	EP-AA-113-F-03	Revision:	G

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☒ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 10 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

SRRS: 3D.105 (when utilized for operator initial or continuing training)

NOTE: Enter finalized grading, comments, and notes relevant to this evaluation in the associated TQ-AA-150-F03A/B. (See AR 4282419).

Evaluator's Name (Print): _____

Evaluator's Signature: _____ **Date**: _____

Exelon Nuclear

EP-AA-113-F-02
Revision B
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AUTHORIZATION FOR EMERGENCY EXPOSURE

Name: Andre Layton Date / Time: XX/XX/XXXX XX:XX

Employee ID Number: B743735 Current Annual Exposure: 152. mRem

Reason For Request:

Lifesaving operation.

REQUESTING AUTHORIZATION TO EXCEED:

- ☐ 5 Rem TEDE (Authorized to receive greater than 5 Rem TEDE but less than 10 Rem TEDE)
- ☐ 10 Rem TEDE (Authorized to receive greater than 10 Rem TEDE but less than 25 Rem TEDE)
- ☒ 25 Rem TEDE (Authorized to receive greater than 25 Rem TEDE)

Andre Layton XX/XX/XXXX XX:XX

* Emergency Worker Signature Date / Time

* Emergency Worker Exposure Limits and Associated Risks (EP-AA-113 Attachment 1) have been reviewed and the potential health affects are understood.

R. P. Manager XX/XX/XXXX XX:XX

Rad. Protection Management (Review) Date / Time

S.E. Director XX/XX/XXXX XX:XX

Station Emergency Director (Authorization) Date / Time

The Shift Manager (Shift Emergency Director) may approve prior to transferring Command and Control to the Station Emergency Director.

Document Retention SRRS ID – 5B.100

SRRS: 3D.100; There are no retention requirements for this section

Exelon Nuclear

EP-AA-113-F-02
Revision B
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AUTHORIZATION FOR EMERGENCY EXPOSURE

Name: Melanie Cavill Date / Time: XX/XX/XXXX XX:XX

Employee ID Number: BZ32425 Current Annual Exposure: 57 mRem

Reason For Request:

Lifesaving operation.

REQUESTING AUTHORIZATION TO EXCEED:

- ☐ 5 Rem TEDE (Authorized to receive greater than 5 Rem TEDE but less than 10 Rem TEDE)
- ☐ 10 Rem TEDE (Authorized to receive greater than 10 Rem TEDE but less than 25 Rem TEDE)
- ☒ 25 Rem TEDE (Authorized to receive greater than 25 Rem TEDE)

Melanie Cavill — XX/XX/XXXX XX:XX

* Emergency Worker Signature — Date / Time

* Emergency Worker Exposure Limits and Associated Risks (EP-AA-113 Attachment 1) have been reviewed and the potential health affects are understood.

R. P. Manager — XX/XX/XXXX XX:XX

Rad. Protection Management (Review) — Date / Time

S.E. Director — XX/XX/XXXX XX:XX

Station Emergency Director (Authorization) — Date / Time

The Shift Manager (Shift Emergency Director) may approve prior to transferring Command and Control to the Station Emergency Director.

Document Retention SRRS ID – 5B.100

SRRS: 3D.100; There are no retention requirements for this section

INITIAL CONDITIONS

1. You are the Station Emergency Director.
2. A General Emergency has been declared.
3. There is an offsite release in progress.
4. A loss of the Fuel Clad Barrier has occurred together with a loss of the Reactor Coolant System (RCS).
5. Containment is currently being challenged.
6. The TSC has NOT been activated, but the appropriate EAL has been declared.
7. An Emergency life-saving operation MUST be performed.
8. The operation will require two (2) volunteers to enter a room in the Containment Building, taking between 15 and 20 minutes in a 200 R/hr field (CDE) to complete.
9. EP-AA-113-F-02, Authorization For Emergency Exposure forms have been completed for both volunteers.

INITIATING CUE

As the Station Emergency Director, evaluate Andre Layton and Melanie Cavill in accordance with EP-AA-113 Personnel Protective Actions, section 4.4 KI Assessment.