

Facility: SSESDate of Examination: 08/11/03Examination Level (circle one): **RO**

Operating Test Number: _____

Administrative Topic (See Note)	Describe activity to be performed
Conduct of Operations	2.1.25 2.8/3.1 JPM Determine Estimated Time to Reach 200 °F and Required Technical Specification Actions. <i>Common for Both RO/SRO</i>
Conduct of Operations	2.1.7 3.7/4.4 JPM Document a failed LPRM and determine appropriate compensatory actions.
Equipment Control	2.2.13 3.6/3.8 JPM Determine blocking points of a clearance order.
Radiation Control	N/A
Emergency Plan	2.4.27 3.0/3.5 JPM Activate the Fire Brigade and select the appropriate Pre-Fire Plan

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when 5 are required.

PENNSYLVANIA POWER & LIGHT COMPANY
JOB PERFORMANCE MEASURE
APPROVAL AND ADMINISTRATIVE DATA SHEET

S/RO	49.ON.003.201	0	07/15/03	2.1.25	2.8/3.1
Appl. To	JPM Number	Rev. No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Determine Estimated Time to 200 °F and Required T.S. Actions.

Completed By: _____ Reviews: _____

Russ Halm	07/15/03		
Writer	Date	Instructor/Writer	Date

Approval:

Requesting Supv./C.A. Head	Date	Nuclear Trng. Supv.	Date
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	10	
Date of Performance:	Allowed Time (Min.)	Time Taken (Min.)

JPM Performed By: _____

Student Name: _____

Last	First	M.I.	Employee #/S.S. #
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Performance Evaluation: () Satisfactory () Unsatisfactory

Evaluator Name: _____

Signature	Typed or Printed
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Comments:

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
S/RO 49.ON.003.201**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. TECHNICAL SPECIFICATIONS SECTION 3.4.9, Amendment 178
- B. ON-149-001 LOSS OF SHUTDOWN COOLING MODE, REV. 18

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. Unit 1 is in Mode 4.
- B. The reactor has been shutdown for 3.5 days.
- C. RPV pressure is 25 psig and stable
- D. Reactor coolant temperature is 150 °F and stable
- E. A and B Recirculation MG sets are out of service for maintenance.
- F. RPV level is being maintained at 90 inches by the CRD and RWCU systems.
- G. B loop of RHR is Out Of Service.
- H. "A" RHR pump is operating and "C" RHR pump is in standby
- I. "A" RHR pump TRIPS and the "C" RHR pump cannot be started

V. INITIATING CUE

Using the appropriate procedure, determine the estimated time for the Reactor coolant temperature to reach 200 °F and identify the Technical Specification required action(s) for this event.

VI. TASK STANDARD

Estimated time for the Reactor coolant temperature to reach 200 °F is 1 hour (+/- 5 minutes); Technical Specification required action(s) determined as: "Verify 2 alternate methods of decay heat removal within 1 hour" and Verify an alternate circulation method (≥ 45 inches and re-verify every 12 hours) and monitor Reactor coolant temperature once per hour

PERFORMANCE CHECKLIST

Page 3 of 4

Appl. To/JPM No.: S/RO 49.ON.003.201

Student Name: _____

Step	Action	Standard	Eval	Comments
	<u>EVALUATOR NOTE</u> <ul style="list-style-type: none"> Ensure a copy of ON-149-001 is available. 			
	<u>EVALUATOR NOTE</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.			
1	Obtains a controlled copy of ON-149-001.	Controlled copy obtained.		
2	Reviews symptoms and Observations section of procedure	Determines ON-149-001 is appropriate procedure for the given conditions.		
	<u>EVALUATOR NOTE</u> Steps may be done in any order.			
*3	Selects correct procedure section AND Determines the estimated "Time to 200 °F"	Determines section 3.4 is applicable. Refers to attachment C Determines the estimated "Time to 200 °F" to be: 1 Hour (+/- 5 minutes)		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Appl. To/JPM No.: S/RO 49.ON.003.201

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE</u></p> <p>The Technical Specification determination in the next step will require the verification of an alternate decay heat removal method for EACH inoperable RHR shutdown cooling subsystem. Therefore the candidates should identify the need for 2 alternate decay heat removal methods since 2 subsystems are now inoperable.</p>			
*4	<p>Comply with Technical Specification 3.4.9</p>	<p>Refers to Technical Specification 3.4.9 and determines:</p> <p>Within 1 hour must verify 2 alternate methods of decay heat removal are available.</p> <p>AND</p> <p>Verify an alternate circulation method (≥ 45 inches and re-verify every 12 hours)</p> <p>AND</p> <p>Must monitor Reactor coolant temperature once per hour</p>		
	<p><u>EVALUATOR CUE</u></p> <p>This completes the JPM.</p>			

***Critical Step**

#Critical Sequence

TASK CONDITIONS

- A. Unit 1 is in Mode 4.
- B. The reactor has been shutdown for 3.5 days.
- C. RPV pressure is 25 psig and stable
- D. Reactor coolant temperature is 150 °F and stable
- E. A and B Recirculation MG sets are out of service for maintenance.
- F. RPV level is being maintained at 90 inches by the CRD and RWCU systems.
- G. B loop of RHR is Out Of Service.
- H. "A" RHR pump is operating and "C" RHR pump is in standby
- I. "A" RHR pump TRIPS and the "C" RHR pump cannot be started

INITIATING CUE

Using the appropriate procedure, determine the estimated time for the Reactor coolant temperature to reach 200 °F and identify the Technical Specification required action(s) for this event.

TASK CONDITIONS

- A. Unit 1 is in Mode 4.
- B. The reactor has been shutdown for 3.5 days.
- C. RPV pressure is 25 psig and stable
- D. Reactor coolant temperature is 150 °F and stable
- E. A and B Recirculation MG sets are out of service for maintenance.
- F. RPV level is being maintained at 90 inches by the CRD and RWCU systems.
- G. B loop of RHR is Out Of Service.
- H. "A" RHR pump is operating and "C" RHR pump is in standby
- I. "A" RHR pump TRIPS and the "C" RHR pump cannot be started

INITIATING CUE

Using the appropriate procedure, determine the estimated time for the Reactor coolant temperature to reach 200 °F and identify the Technical Specification required action(s) for this event.

PENNSYLVANIA POWER & LIGHT COMPANY
JOB PERFORMANCE MEASURE
APPROVAL AND ADMINISTRATIVE DATA SHEET

S/RO	78.AD.001.101	0	06/14/03	2.1.7	2.8/3.1
Appl. To	JPM Number	Rev. No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Document a Failed LPRM Detector

Completed By: _____ Reviews: _____

Russ Halm	06/14/03		
Writer	Date	Instructor/Writer	Date

Approval:

Requesting Supv./C.A. Head	Date	Nuclear Trng. Supv.	Date
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	15	
Date of Performance:	Allowed Time (Min.)	Time Taken (Min.)

JPM Performed By: _____

Student Name: _____

Last	First	M.I.	Employee #/S.S. #
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Performance Evaluation: () Satisfactory () Unsatisfactory

Evaluator Name: _____

Signature	Typed or Printed
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Comments: _____

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
S/RO 78.AD.001.101**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. OI-078-001 LPRM STATUS CONTROL, REV. 7

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. Unit 1 is in MODE 1.
- B. Reactor Engineering has completed evaluation of a downscale alarm condition for LPRM detector 48-17B.
- C. LPRM detector 48-17B is failed and bypassed.

V. INITIATING CUE

Complete all required documentation in accordance with the appropriate instruction for LPRM detector 48-17B.

VI. TASK STANDARD

Zone 4 is identified as not having more than 50% upscale alarms operable and the operational restriction to place the reactor mode switch to shutdown if entry to region II of the power to flow map occurs.

PERFORMANCE CHECKLIST

Page 3 of 5

Appl. To/JPM No.: S/RO 78.AD.001.101

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE:</u></p> <ul style="list-style-type: none"> This JPM should be performed in the simulator or plant control room. Ensure the following material is available to support performance of this JPM: <ul style="list-style-type: none"> A copy of OI-078-001. Prepare attachments A & B with zone 4 having exactly 50% operable LPRM upscale alarms. Blank copy of attachment A & B. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.</p>			
1	Obtains a controlled copy of procedure.	Controlled copy obtained.		
2	Refers to correct section.	Refers to section 4.		
3	Determines current LPRM status.	Obtains the Operations Special Log Book in the Unit 1 control room and locates the previously completed copy of Attachment A & B.		
	<p><u>EVALUATOR CUE:</u> When the candidate identifies where the current LPRM Upscale Alarm Status Control Log is retained provide the candidate with the JPM copy of Attachment A & B.</p>			
4	Obtains a blank copy of Attachment A & B.	Blank copy obtained.		
	<p><u>EVALUATOR CUE:</u> When the candidate identifies a new form is required provide the candidate with a blank copy of Attachment A & B.</p>			

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 4 of 5

Appl. To/JPM No.: S/RO 78.AD.001.101

Student Name: _____

Step	Action	Standard	Eval	Comments
5	<p>Completes new Attachment A.</p> <p><u>EVALUATOR CUE:</u> If candidate elects to verify position of switches in lower relay room, provide the cue that the switches are in the positions indicated on Attachment A (Special log book)</p>	<p>Enters 1 for Unit.</p> <p>Transfers the previous LPRM data to the new Attachment A.</p> <p>OR</p> <p>Candidate may desire to verify switches in lower relay room.</p> <p>Place a checkmark in column 2 adjacent to LPRM detector 48-17B in Zone 4.</p>		
*6	Determine if $\geq 50\%$ of LPRM Upscale alarms in each zone are operable.	<p>Circles YES for zone 1, 2, 3, 5, 6, 7, 8, and 9.</p> <p>Circles NO for zone 4.</p>		
7	Identifies operating restriction.	Identifies an immediate reactor scram is required if entry into region II of the power to flow map occurs.		
8	Make notifications.	Notifies the Unit Supervisor and Unit 1 PCOs about the operating restriction based upon the LPRM alarm condition.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 5

Appl. To/JPM No.: S/RO 78.AD.001.101

Student Name: _____

Step	Action	Standard	Eval	Comments
*9	Posts placard. <u>EVALUATOR NOTE:</u> The placard is required to remain posted until all zones have >50% upscale alarms operable.	Attaches placard to operating panel 1C651.		
10	Complete Attachment B.	Enters 1 for Unit. Transfers the previous LPRM data to the new Attachment B. Circles LPRM detector 48-17 for APRM E, under the column 'B' Level.		
11	Notify Reactor Engineering.	Contacts reactor engineering and provides the current LPRM status.		
12	Obtains review. <u>EVALUATOR CUE:</u> This completes the JPM.	Submit the completed Attachment A and B to the Unit Supervisor.		

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. Unit 1 is in MODE 1.
- B. Reactor Engineering has completed evaluation of a downscale alarm condition for LPRM detector 48-17B.
- C. LPRM detector 48-17B is failed and bypassed.

INITIATING CUE

Complete all required documentation in accordance with the appropriate instruction for LPRM detector 48-17B.

TASK CONDITIONS

- A. Unit 1 is in MODE 1.
- B. Reactor Engineering has completed evaluation of a downscale alarm condition for LPRM detector 48-17B.
- C. LPRM detector 48-17B is failed and bypassed.

INITIATING CUE

Complete all required documentation in accordance with the appropriate instruction for LPRM detector 48-17B.

APPROVAL AND ADMINISTRATIVE DATA SHEET

RO	New ID	0	06/13/03	2.2.13	3.6/3.8
	Blocking Points				
Appl. To	JPM Number	Rev. No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Identify Blocking Points

Completed By: _____ Reviews: _____

Russ Halm	06/13/03		
Writer	Date	Instructor/Writer	Date

Approval: _____

Requesting Supv./C.A. Head	Date	Nuclear Trng. Supv.	Date
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Date of Performance: _____
 $\frac{20}{\text{Allowed Time (Min.)}}$
 $\frac{\quad}{\text{Time Taken (Min.)}}$

JPM Performed By:

Student Name: _____

Last	First	M.I.	Employee #/S.S. #
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Performance Evaluation: () Satisfactory () Unsatisfactory

Evaluator Name: _____

Signature _____	Typed or Printed _____
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Comments:

REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
RO New Admin ID Blocking Points

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. NDAP-QA-0322, ENERGY CONTROL PROCESS (Rev. 13)
- B. NDAP-QA-0323, STANDARD BLOCKING PRACTICES (Rev. 17)
- C. M-115 Sheet 1 CIRCULATING WATER (Rev. 43)
- D. E-137 Sheet 3 CIRC WATER PUMP 1B (Rev. 11)
- E. E-138 Sheet 1 CIRC WATER PUMP DISCHARGE VALVE (Rev. 13)
- F. E-138 Sheet 19 CIRC WATER PUMP SUCTION VALVE (Rev. 6)

IV. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. NIMS is not available.
- B. Unit 1 Circ Water Pump 1P501B discharge vent valve 115137B needs to be replaced (scope of work).
- C. When NIMS is returned to service, a tagout will be prepared to perform this valve replacement.
- D. While NIMS is out of service, your supervisor wants to begin preparations for this tagout
- E. Unit 1 Circ Water Pump 1P501B has been removed from service IAW OP-142-001 section 3.2

V. INITIATING CUE

Using the appropriate NDAP(s) and mechanical/electrical drawing(s), complete the attached table to identify the blocking required for the job and the order in which the blocking should be applied.

VI. TASK STANDARD

Components identified in the attached answer key are placed sequentially in the specified position.

PERFORMANCE CHECKLIST

Page 3 of 7

Appl. To/JPM No.: New Admin ID Blocking Points

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE</u></p> <ul style="list-style-type: none"> This JPM must be performed in the simulator or the plant control room. Ensure the following material is available to support performance of this JPM: <ul style="list-style-type: none"> Blank table labeled for tagout points The FAULTED step in this JPM is preceded by a fault statement in BOLD TYPE WITH ALL CAPITAL LETTERS. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet, and attached student copy of the blank table.</p>			
1	Obtains NDAP-QA-0322, ENERGY CONTROL PROCESS and NDAP-QA-0323, STANDARD BLOCKING PRACTICES	References NDAPs to determine overall process and prescribed sequence.		
2	Reviews the scope of work planned for 1P501B.	Determines the pump discharge vent valve 115137B will be replaced.		
*3	Use electrical print to identify 1P501B motor breaker.	<p>Using E-137 Sht.3, determines breaker 1A10203 will need to be:</p> <p>First in the sequence Racked out Red tagged</p> <p>Then fills out table</p>		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 4 of 7

Appl. To/JPM No.: New Admin ID Blocking Points

Student Name: _____

Step	Action	Standard	Eval	Comments
*4	Use electrical print to identify HV-11511B MOV breaker.	Using E-138 Sht.1, determines breaker 1B501024 will need to be: Second in the sequence Opened Red tagged Then fills out table		
*5	Use electrical print to identify HV-11511B MOV breaker.	Using E-138 Sht.19, determines breaker 1B501034 will need to be: Second in the sequence Opened Red tagged Then fills out table		
*6	Use mechanical drawing to identify HV-11513B, CWP B Suction valve.	Using M-115 Sht.1, determines HV-11513B will need to be: Third in the sequence Closed Red tagged Then fills out table		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 7

Appl. To/JPM No.: New Admin ID Blocking Points

Student Name: _____

Step	Action	Standard	Eval	Comments
*7	Use mechanical drawing to identify HV-11511B, CWP B Discharge valve.	Using M-115 Sht.1, determines HV-11511B will need to be: Third in the sequence Closed Red tagged Then fills out table		
*8	Use mechanical drawing to identify 115153, CWP B IB Bearing Seal Water Supply valve. <u>EVALUATOR NOTE:</u> Drawing grid location is D-1 (Detail A).	Using M-115 Sht.1, determines 115153 will need to be: Third in the sequence Closed Red tagged Then fills out table		
*9	Use mechanical drawing to identify 115154, CWP B OB Bearing Seal Water Supply valve. <u>EVALUATOR NOTE:</u> Drawing grid location is C-1 (Detail A). <u>EVALUATOR NOTE:</u> Multiple pump vent and drain valves are available. Any pair of valves is acceptable so long as one set of vents and one set of drain valves are opened.	Using M-115 Sht.1, determines 115154 will need to be: Third in the sequence Closed Red tagged Then fills out table		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 6 of 7

Appl. To/JPM No.: New Admin ID Blocking Points

Student Name: _____

Step	Action	Standard	Eval	Comments
*10	Use mechanical drawing to identify 115139B, CWP B Suction Vent valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115139B will need to be: Fourth in the sequence Opened No Tag Required Then fills out table		
*11	Use mechanical drawing to identify 115141B, CWP B Suction Vent valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115141B will need to be: Fourth in the sequence Opened No Tag Required Then fills out table		
*12	Use mechanical drawing to identify 115142B, CWP B Discharge Drain valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115142B will need to be: Fourth in the sequence Opened No Tag Required Then fills out table		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 7 of 7

Appl. To/JPM No.: New Admin ID Blocking Points

Student Name: _____

Step	Action	Standard	Eval	Comments
*13	Use mechanical drawing to identify 115143B, CWP B Suction Drain valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115143B will need to be: Fourth in the sequence Opened No Tag Required Then fills out table		
*14	Reports the results. <u>EVALUATOR CUE</u> Roleplay the Unit Supervisor and acknowledge the results when reported. <u>EVALUATOR CUE:</u> This completes the JPM. DUE TO THE NATURE OF THIS JPM OTHER BLOCKING POINTS MAY BE ACCEPTABLE. CONSULT WITH ADDITIONAL SMEs AS NECESSARY TO DETERMINE ACCEPTABILITY OF ALTERNATE BLOCKING POINTS.	Informs the Unit Supervisor of the results by handing the supervisor the completed table.		

*Critical Step

#Critical Sequence

ANSWER KEY (DO NOT GIVE TO STUDENTS)

Sequence	Component ID	Component Description	Position	Tag Color
1	1A10203	CIRC WATER PUMP B 1P501B 13.8 KV BKR	Racked out	Red
2	1B501024	CWP 1B DSCH MOV HV-11511B BKR 52-024	Open	Red
2	1B501034	CIRC WATER PUMP B SUCTION VLV HV-11513B BKR	Open	Red
3	HV-11513B	CIRC WATER PUMP B SUCTION VLV	Close	Red
3	HV-11511B	CIRC WATER PUMP B DISCHARGE VLV	Close	Red
3	115153	CWP B IB BEARING SEAL WATER SUPPLY ISO VLV	Close	Red
3	115154	CWP B OB BEARING SEAL WATER SUPPLY ISO VLV	Close	Red
4	115139B	CW PUMP B SUCTION VENT VLV	Open	No Tag
4	115141B	CW PUMP B SUCTION VENT VLV	Open	No Tag
4	115142B	CIRC WATER PUMP B SUCTION DRAIN VLV	Open	No Tag
4	115143B	CIRC WATER PUMP B SUCTION DRAIN VLV	Open	No Tag

TASK CONDITIONS

- A. NIMS is not available.
- B. Unit 1 Circ Water Pump 1P501B discharge vent valve 115137B needs to be replaced (scope of work).
- C. When NIMS is returned to service, a tagout will be prepared to perform this valve replacement.
- D. While NIMS is out of service, your supervisor wants to begin preparations for this tagout
- E. Unit 1 Circ Water Pump 1P501B has been removed from service IAW OP-142-001 section 3.2

INITIATING CUE

Using the appropriate NDAP(s) and mechanical/electrical drawing(s), complete the attached table to identify the blocking required for the job and the order in which the blocking should be applied.

TASK CONDITIONS

- A. NIMS is not available.
- B. Unit 1 Circ Water Pump 1P501B discharge vent valve 115137B needs to be replaced (scope of work).
- C. When NIMS is returned to service, a tagout will be prepared to perform this valve replacement.
- D. While NIMS is out of service, your supervisor wants to begin preparations for this tagout
- E. Unit 1 Circ Water Pump 1P501B has been removed from service IAW OP-142-001 section 3.2

INITIATING CUE

Using the appropriate NDAP(s) and mechanical/electrical drawing(s), complete the attached table to identify the blocking required for the job and the order in which the blocking should be applied.

STUDENT COPY

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**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
S/RO 13.ON.003.001**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. ON-013-001 RESPONSE TO FIRE, REV. 14
- B. FP-013-189 DIESEL GENERATOR BAY A, REV. 3
- C. AR-SP-001 PAGE 118, REV. 7
- D. AR-SP-002 PAGE 72, REV. 9
- E. AR-SP-002 PAGE 76, REV. 9

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. A fire is confirmed to exist in Diesel Generator A building.
- B. The following SIMPLEX data print out is available:

FIRE DET X116_Z5 ALM
17:14 MON 11-AUG-03
44-660 A DIESEL GEN

FIRE DET X116_Z1 ALM
17:16 MON 11-AUG-03
44-677/710 A DG

FIRE SUP X250_Z1 ALM
17:20 MON 11-AUG-03
44-676 PA011 A DIESEL

V. INITIATING CUE

Activate the fire brigade and select the appropriate Pre-Fire Plan.

VI. TASK STANDARD

Fire brigade activated and Pre-Fire Plan FP-013-189 selected.

PERFORMANCE CHECKLIST

Page 4 of 7

Appl. To/JPM No.: S/RO 13.ON.003.001

Student Name: _____

Step	Action	Standard	Eval	Comments
	<u>EVALUATOR NOTE:</u> <ul style="list-style-type: none"> This JPM must be done in the simulator or plant control room. Ensure the following material is available to support performance of this JPM: <ul style="list-style-type: none"> A copy of ON-013-001. Pre-Fire Plans. AR-SP-001. <u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.			
1	Obtains SIMPLEX fire alarm panel alarm response.	Obtains controlled copy of AR-SP-001 and AR-SP-002.		
2	Locates alarm procedure for X250 Z1.	Selects AR-SP-001 page 118.		
	<u>EVALUATOR NOTE:</u> The alarm response procedure identifies the Pre-Fire Plan FP-013-189.			
3	Locates alarm procedure for X116_ Z1.	Selects AR-SP-002 page 72.		
	<u>EVALUATOR NOTE:</u> The alarm response procedure identifies the Pre-Fire Plan FP-013-189.			

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 7

Appl. To/JPM No.: S/RO 13.ON.003.001

Student Name: _____

Step	Action	Standard	Eval	Comments
4	Locates alarm procedure for X116_Z5. <u>EVALUATOR NOTE:</u> The alarm response procedure identifies the Pre-Fire Plan FP-013-189.	Selects AR-SP-002 page 76.		
5	Obtains a controlled copy of Off-Normal procedure ON-013-001.	Controlled copy obtained.		
6	Refers to correct section.	Refers to section 3.		
7	Activates fire brigade.	Refers to Attachment Q or the Activity Hard Card.		
*8	Contacts Fire Brigade Leader. <u>EVALUATOR CUE:</u> As fire brigade leader inform the candidate you will be setting up the command post at control structure central area access on the east side and radio channel 4 will be used. Contact security and have them bring the fire brigade van to the command post.	Contacts the Field Unit Supervisor as Fire Brigade Leader using the plant page or radio. <u>AND</u> Informs the Fire Brigade Leader a fire is confirmed in Diesel Generator A building. Acknowledges the command post location and radio channel 4 will be used.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 6 of 7

Appl. To/JPM No.: S/RO 13.ON.003.001

Student Name: _____

Step	Action	Standard	Eval	Comments
*9	Contacts Fire brigade members from Operations.	Contacts a minimum of 2 operators designated for fire brigade on the shift schedule. <u>AND</u> Informs them to dress at the fire brigade van which will be brought to the central area access. Select the radio to channel 4, and report to the command post.		
*10	Send Pre-Fire Plan FP-013-189 to command post.	Designates one fire brigade member to take Pre-Fire Plan FP-013-189 to the command post.		
11	Contacts Fire brigade members from Security.	Dials extension 3114 or 3115 for fire brigade support. <u>AND</u> Informs them to bring the fire brigade van to the central access area, select the radio to channel 4, and report to the command post.		
12	Sound fire alarm.	At panel 0C695: Turn the siren tone generator switch to "Siren / Fire" position. Pull out evacuation alarm switch, turn to 'PLANT ALARM' position.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 7 of 7

Appl. To/JPM No.: S/RO 13.ON.003.001

Student Name: _____

Step	Action	Standard	Eval	Comments
13	Make plant page announcement.	<p>Push in the evacuation alarm switch.</p> <p>After ~10 seconds, pull out the evacuation alarm switch.</p> <p>Rotate the evacuation alarm switch to 'OFF' position and push in the evacuation alarm switch.</p> <p>Keys the plant page and announces: "Attention all personnel, there is a fire in the 'A' Diesel Generator Building. Station fire brigade has been activated, stay clear of affected areas."</p> <p>Repeat the above announcement.</p>		
*14	<p>Selects the appropriate Pre-Fire Plan.</p> <p><u>EVALUATOR CUE:</u></p> <p>This completes the JPM.</p>	<p>Obtains a copy of FP-013-189.</p>		

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. A fire is confirmed to exist in Diesel Generator A building.
- B. The following SIMPLEX data print out is available:

FIRE DET X116_Z5 ALM
17:14 MON 11-AUG-03
44-660 A DIESEL GEN

FIRE DET X116_Z1 ALM
17:16 MON 11-AUG-03
44-677/710 A DG

FIRE SUP X250_Z1 ALM
17:20 MON 11-AUG-03
44-676 PA011 A DIESEL

INITIATING CUE

Activate the fire brigade and select the appropriate Pre-Fire Plan.

TASK CONDITIONS

- A. A fire is confirmed to exist in Diesel Generator A building.
- B. The following SIMPLEX data print out is available:

FIRE DET X116_Z5 ALM

17:14 MON 11-AUG-03

44-660 A DIESEL GEN

FIRE DET X116_Z1 ALM

17:16 MON 11-AUG-03

44-677/710 A DG

FIRE SUP X250_Z1 ALM

17:20 MON 11-AUG-03

44-676 PA011 A DIESL

INITIATING CUE

Activate the fire brigade and select the appropriate Pre-Fire Plan.

Facility: SSESDate of Examination: 08/11/03Examination Level (circle one): **SRO**

Operating Test Number: _____

Administrative Topic (See Note)	Describe activity to be performed
Conduct of Operations	2.1.25 2.8/3.1 JPM Determine Estimated Time to Reach 200 °F and Required Technical Specification Actions. <i>SEE RO - Common RO/SRO</i>
Conduct of Operations	2.1.23 3.9/4.0 JPM Authorize Bypassing Rod Worth Minimizer IAW NDAP-QA-0388
Equipment Control	2.2.13 3.6/3.8 JPM Determine accuracy and adequacy of a clearance order.
Radiation Control	2.3.9 2.5/3.4 JPM Authorize De-inerting and Purging the Drywell and Suppression Chamber with Air.
Emergency Plan	2.4.41 2.3/4.1 JPM Determine Emergency Plan EAL Classification.

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when 5 are required.

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO 00.AD.047.001**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. NDAP-QA-0338, Reactivity Management and Controls Program, Rev. 6
- B. Start-up control rod sequence A2, 04/02/02.
- C. TS 3.3.2.1, Control Rod Block Instrumentation, Amendment 178

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. A plant startup is in progress on Unit 1 with reactor power at one percent.
- B. The PCOM has successfully completed withdrawing Rod 38-59 from 00 to 04 as specified by Rod Step A2-66 in the pull sheet.
- C. When the PCOM attempted Step A2-67 (Rod 22-59 from 00 to 04), the ROD BLOCK annunciator alarmed.
- D. There are no indications that the Rod Sequence Control System (RSCS) is generating the rod block.
- E. The WITHDRAW BLOCK status light on the Rod Worth Minimizer (RWM) is illuminated.
- F. The PCOM and the Reactor Engineer verified that all rods were in the positions specified by the pull sheet.
- G. The Reactor Engineer verified that there are no problems with the pull sheet.
- H. I&C performed an initial investigation of the event. It appears that the RWM has failed.
- I. The RSCS and Rod Position Indication System (RPIS) both appear to be operable.
- J. The PCOM has suggested bypassing the RWM and continuing with the rod withdrawals and reactor startup.

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO 00.AD.047.001**

V. INITIATING CUE

Determine if it is allowable to bypass the RWM under these circumstances and complete all necessary documentation to justify your decision.

VI. TASK STANDARD

Completes the reactivity control system bypass authorization form, implements the required action of LCO 3. 3.2.2, and authorizes bypassing the rod worth minimizer.

PERFORMANCE CHECKLIST

Page 4 of 7

Appl. To/JPM No.: S/RO 00.AD.047.001

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE:</u> Ensure the following material is available to support performance of this JPM:</p> <ul style="list-style-type: none"> • A copy of NDAP-QA-0338. • A blank copy of NDAP-QA-0338, Attachment B. • A copy of start-up control rod sequence A2. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.</p>			
1	Obtains a controlled copy of NDAP-QA-0338.	Controlled copy obtained.		
	<p><u>EVALUATOR CUE:</u> When the candidate indicates NDAP-QA-0338, Attachment B, must be completed give him/her the blank form.</p>			
2	Completes NDAP-QA-0338, Attachment B.	Reviews NDAP-QA-0338, Section 6.4 and/or Attachment B.		
3	Determines entry condition.	Places a checkmark in Yes box for RWM INOP or blocking motion.		
4	Enters initiating condition data.	<p>Enters the following data for Initiating Condition:</p> <ul style="list-style-type: none"> • Rod ID is 22-59 • Notch is 00 • Unit is 1 • RBM Channel A or B is NA • Power Level is 1% • Date / Time 		
5	Determine if power is above the LPSP.	Places a checkmark in NO box.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 7

Appl. To/JPM No.: S/RO 00.AD.047.001

Student Name: _____

Step	Action	Standard	Eval	Comments
6	Determine if a special test is being performed.	Places a checkmark in the No box.		
7	Determine if both RSCS and RWM are problems.	Places a checkmark in the No box.		
8	Determine if a computer problem exists.	Places a checkmark in the No box.		
9	Determine if RPIS problems exist.	Places a checkmark in the No box.		
10	Contact Reactor Engineering. <u>EVALUATOR CUE:</u> As Rx Engineer, inform the candidate the RWM pointer and sequence has been verified correct.	Contacts Rx Engineer to : <ul style="list-style-type: none"> • Investigate the RWM pointer • Sequence in RWM • Investigate sequence error Places a checkmark in the No Fix box.		
11	Contact I&C.	Determines I &C has investigated for hardware problems from the task conditions.		
*12	Determines Tech Spec impact.	Refers to TS LCO 3.3.2.1 Refers to Table 3.3.2.1-1 for Function 2 and determines the RWM is required in MODE 2 with Thermal Power $\leq 10\%$ RTP.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 6 of 7

Appl. To/JPM No.: S/RO 00.AD.047.001

Student Name: _____

Step	Action	Standard	Eval	Comments
13	<p>Identifies a LCO/TRO Log Sheet must be completed.</p> <p><u>EVALUATOR CUE:</u> Inform the candidate it is not necessary to complete the LCO/TRO Log Sheet at this time.</p>	<p>Identifies Condition C must be entered and the following Required Actions are applicable:</p> <ul style="list-style-type: none"> • C.1, Immediately suspend control rod movement except by scram. <p><u>OR</u></p> <ul style="list-style-type: none"> • C.2.1.1, Immediately verify \geq 12 rods withdrawn <p><u>OR</u></p> <ul style="list-style-type: none"> • C.2.1.2, Immediately verify by administrative methods that startup with RWM inoperable has not been performed in the last calendar year <p><u>AND</u></p> <ul style="list-style-type: none"> • C.2.2, During control rod movement verify movement of control rods is in compliance with BPWS by a second licensed operator or other qualified member of the technical staff. <p>States LCO/TRO Log Sheet must be completed.</p>		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 7 of 7

Appl. To/JPM No.: S/RO 00.AD.047.001

Student Name: _____

Step	Action	Standard	Eval	Comments
*14	Determine that it is allowable to bypass RWM.	Determines that RWM can be bypassed.		
15	Authorize bypassing RWM.	Places a checkmark in box for RWM.		
	<u>EVALUATOR CUE:</u> This completes the JPM.	Signs form and enter current time/date.		

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. A plant startup is in progress on Unit 1 with reactor power at one percent.
- B. The PCO has successfully completed withdrawing Rod 38-59 from 00 to 04 as specified by Rod Step A2-66 in the pull sheet.
- C. When the PCO attempted Step A2-67 (Rod 22-59 from 00 to 04), the ROD BLOCK annunciator alarmed.
- D. There are no indications that the Rod Sequence Control System (RSCS) is generating the rod block.
- E. The WITHDRAW BLOCK status light on the Rod Worth Minimizer (RWM) is illuminated.
- F. The PCO and the Reactor Engineer verified that all rods were in the positions specified by the pull sheet.
- G. The Reactor Engineer verified that there are no problems with the pull sheet.
- H. I&C performed an initial investigation of the event. It appears that the RWM has failed.
- I. The RSCS and Rod Position Indication System (RPIS) both appear to be operable.
- J. The PCO has suggested bypassing the RWM and continuing with the rod withdrawals and reactor startup.

INITIATING CUE

Determine if it is allowable to bypass the RWM under these circumstances and complete all necessary documentation to justify your decision.

TASK CONDITIONS

- A. A plant startup is in progress on Unit 1 with reactor power at one percent.
- B. The PCO has successfully completed withdrawing Rod 38-59 from 00 to 04 as specified by Rod Step A2-66 in the pull sheet.
- C. When the PCO attempted Step A2-67 (Rod 22-59 from 00 to 04), the ROD BLOCK annunciator alarmed.
- D. There are no indications that the Rod Sequence Control System (RSCS) is generating the rod block.
- E. The WITHDRAW BLOCK status light on the Rod Worth Minimizer (RWM) is illuminated.
- F. The PCO and the Reactor Engineer verified that all rods were in the positions specified by the pull sheet.
- G. The Reactor Engineer verified that there are no problems with the pull sheet.
- H. I&C performed an initial investigation of the event. It appears that the RWM has failed.
- I. The RSCS and Rod Position Indication System (RPIS) both appear to be operable.
- J. The PCO has suggested bypassing the RWM and continuing with the rod withdrawals and reactor startup.

INITIATING CUE

Determine if it is allowable to bypass the RWM under these circumstances and complete all necessary documentation to justify your decision.

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
S/RO New Admin**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. NDAP-QA-0322, ENERGY CONTROL PROCESS (Rev. 13)
- B. NDAP-QA-0323, STANDARD BLOCKING PRACTICES (Rev. 17)
- C. M-115 Sheet 1, CIRCULATING WATER (Rev. 43)
- D. E-137 Sheet 3 CIRC WATER PUMP 1B (Rev. 11)
- E. E-138 Sheet 1 CIRC WATER PUMP DISCHARGE VALVE (Rev. 13)
- F. E-138 Sheet 19 CIRC WATER PUMP SUCTION VALVE (Rev. 6)

IV. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. NIMS is not available.
- B. Unit 1 Circ Water Pump 1P501B discharge vent valve 115137B needs to be replaced.
- C. Clearance Order 54015 has been prepared to support this repair work.

V. INITIATING CUE

Review Clearance Order 54015 for adequacy and accuracy and report your results to the Unit Supervisor.

VI. TASK STANDARD

Component 1B511034 (tag number 4) is identified as the wrong device and the correct device is 1B501034.

PERFORMANCE CHECKLIST

Page 3 of 7

Appl. To/JPM No.: S/RO New Admin

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE:</u></p> <ul style="list-style-type: none"> This JPM must be performed in the simulator or the plant control room. Ensure the following material is available to support performance of this JPM: <ul style="list-style-type: none"> A copy of Clearance Order. The FAULTED step in this JPM is preceded by a fault statement in BOLD TYPE WITH ALL CAPITAL LETTERS. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet. Provide the candidate with the Clearance Order 54015.</p>			
1	Reviews the scope of work planned for 1P501B.	Determines the pump discharge vent valve 115137B will be replaced.		
2	Reviews NOTE 1 for conditions necessary before applying blocking.	Determines 1P501B will be removed from service IAW OP-142-001 Section 3.2.		
	<p><u>EVALUATOR NOTE:</u> Candidate may review the suggested mechanical blocking starting on JPM step 9 prior to reviewing the electrical blocking, this is acceptable.</p> <p>Verifies electrical blocking required.</p>			
3	Use electrical print to verify 1P501B motor breaker.	Using E-137 Sht.3, determines breaker 1A10203 is correct.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 4 of 7

Appl. To/JPM No.: S/RO New Admin

Student Name: _____

Step	Action	Standard	Eval	Comments
4	Reviews position of Red tagged device.	Breaker 1A10203 should be RACKED OUT.		
5	Use electrical print to verify HV-11511B MOV breaker.	Using E-138 Sht.1, determines breaker 1B50124 is correct.		
6	Reviews position of Red tagged device.	Breaker 1B50124 should be OPEN.		
	<u>FAULT STATEMENT</u> THE NEXT DEVICE AND BREAKER NUMBER ARE INCORRECT.			
*7	Use electrical print to verify HV-11511A MOV breaker.	Using E-138 Sht.19, determines breaker 1B511034 is NOT correct. The correct breaker is 1B501034 for HV-11511B.		
	<u>EVALUATOR NOTE:</u> Candidate may also determine the wrong breaker number has been listed by comparing the power supply list to the component description list. If this is observed, ask the candidate to use the e-prints to verify this conclusion.			
8	Reviews position of Red tagged device.	Breaker 1B501034 should be OPEN.		
	Verifies mechanical blocking required.			
9	Use mechanical drawing to verify HV-11513B, CWP B Suction valve.	Using M-115 Sht.1, determines HV-11513B is correct.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 7

Appl. To/JPM No.: S/RO New Admin

Student Name: _____

Step	Action	Standard	Eval	Comments
10	Reviews position of Red tagged device.	Valve HV-11513B should be CLOSE.		
11	Use mechanical drawing to verify HV-11511B, CWP B Discharge valve.	Using M-115 Sht.1, determines HV-11511B is correct.		
12	Reviews position of Red tagged device.	Valve HV-11511B should be CLOSE.		
13	Use mechanical drawing to verify 115153, CWP B IB Bearing Seal Water Supply valve. <u>EVALUATOR NOTE:</u> Drawing grid location is D-1 (Detail A).	Using M-115 Sht.1, determines 115153 is correct.		
14	Reviews position of Red tagged device.	Valve 115153 should be CLOSE.		
15	Use mechanical drawing to verify 115154, CWP B OB Bearing Seal Water Supply valve. <u>EVALUATOR NOTE:</u> Drawing grid location is C-1 (Detail A).	Using M-115 Sht.1, determines 115154 is correct.		
16	Reviews position of Red tagged device. <u>EVALUATOR NOTE:</u> Multiple pump vent and drain valves are available. Any pair of valves is acceptable as an alternative to JPM steps 17, 19, 21, and 23 so long as one set of vents and one set of drain valves are opened.	Valve 115154 should be CLOSE.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 6 of 7

Appl. To/JPM No.: S/RO New Admin

Student Name: _____

Step	Action	Standard	Eval	Comments
17	Use mechanical drawing to verify 115139B, CWP B Suction Vent valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115139B is correct.		
18	Reviews position of device.	Valve 115139B should be OPEN.		
19	Use mechanical drawing to verify 115141B, CWP B Suction Vent valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115141B is correct.		
20	Reviews position of device.	Valve 115141B should be OPEN.		
21	Use mechanical drawing to verify 115142B, CWP B Discharge Drain valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115142B is correct.		
22	Reviews position of device.	Valve 115142B should be OPEN.		
23	Use mechanical drawing to verify 115143B, CWP B Suction Drain valve. <u>EVALUATOR NOTE:</u> Drawing grid location is I-1.	Using M-115 Sht.1, determines 115143B is correct.		
24	Reviews position of device.	Valve 115143B should be OPEN.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 7 of 7

Appl. To/JPM No.: S/RO New Admin

Student Name: _____

Step	Action	Standard	Eval	Comments
*25	<p>Reports the review results.</p> <p><u>EVALUATOR CUE</u> Roleplay the Unit Supervisor and acknowledge the results when reported.</p> <p>If candidate fails to volunteer the correct blocking point for JPM step 7, ask them to provide it.</p> <p><u>EVALUATOR CUE</u> This completes the JPM.</p>	<p>Informs the Unit Supervisor:</p> <ul style="list-style-type: none"> • Tag #4 for breaker 1B511034 is not correct. • Breaker 1B501034 is the correct breaker. • Breaker 1B501034 description is 'CIRC WATER PUMP B DISCHARGE VLV HV-11511B BKR. 		

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. NIMS is not available.
- B. Unit 1 Circ Water Pump 1P501B discharge vent valve 115137B needs to be replaced.
- C. Clearance Order 54015 has been prepared to support this repair work.

INITIATING CUE

Review Clearance Order 54015 for adequacy and accuracy and report your results to the Unit Supervisor.

TASK CONDITIONS

- A. NIMS is not available.
- B. Unit 1 Circ Water Pump 1P501B discharge vent valve 115137B needs to be replaced.
- C. Clearance Order 54015 has been prepared to support this repair work.

INITIATING CUE

Review Clearance Order 54015 for adequacy and accuracy and report your results to the Unit Supervisor.

PENNSYLVANIA POWER & LIGHT COMPANY
JOB PERFORMANCE MEASURE
APPROVAL AND ADMINISTRATIVE DATA SHEET

SRO	00.AD.040.001	0	06/14/03	2.3.9	3.4
Appl. To	JPM Number	Rev. No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Authorize De-inerting and Purging the Drywell and Suppression Chamber with Air.

Completed By:		Reviews:	
Russ Halm	06/14/03		
Writer	Date	Instructor/Writer	Date

Approval:

Requesting Supv./C.A. Head	Date	Nuclear Trng. Supv.	Date
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	20	
Date of Performance:	Allowed Time (Min.)	Time Taken (Min.)

JPM Performed By:

Student Name:			
	Last	First	M.I. Employee #/S.S. #

Performance Evaluation:	()	Satisfactory	()	Unsatisfactory
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Evaluator Name:		
	Signature	Typed or Printed

Comments:

REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO 00.AD.040.001

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. NDAP-QA-0309 PRIMARY CONTAINMENT ACCESS AND CONTROL, REV. 13
- B. OP-173-001 CONTAINMENT ATMOSPHERE CONTROL SYSTEM, REV. 24
- C. TR 3.6.1 VENTING OR PURGING, 8/31/98
- D. TS 3.3.6.1 PRIMARY CONTAINMENT ISOLATION INSTRUMENTATION, AMENDMENT 178

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. A scheduled shutdown is in progress on Unit 1.
- B. "A" SBTG Radiation Monitor RISHH-D12-OK617A has just failed low.
- C. Unit 1 is currently in Mode 3.
- D. You are preparing for initial containment entry.

V. INITIATING CUE

Identify the requirements necessary for your authorization to de-inert and purge the drywell and suppression chamber with air.

VI. TASK STANDARD

Denies authorization to de-inert and air purge the containment due to inoperable SGTS exhaust radiation monitor.

PERFORMANCE CHECKLIST

Page 3 of 5

Appl. To/JPM No.: S/RO 00.AD.040.001

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE:</u></p> <ul style="list-style-type: none"> Ensure the following reference material is available to support the JPM: <ul style="list-style-type: none"> NDAP-QA-0309 OP-173-001 TRM TECHNICAL SPECIFICATIONS The FAULTED step in this JPM is preceded by a fault statement in BOLD TYPE WITH ALL CAPITAL LETTERS. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.</p>			
1	Obtains a copy of NDAP-QA-0309.	Controlled copy obtained. Refers to section 6.2.3		
	<p><u>EVALUATOR NOTE:</u> The exact order in which requirements are identified may vary based upon the sequence of procedure reference, which is acceptable.</p>			
2	Identifies the verification requirements of TR 3.6.1.	Identifies the requirements of TR 3.6.1 must be verified within 4 hours prior to the start of and every 12 hours during purging.		
	<p><u>EVALUATOR CUE:</u> Acknowledge surveillance requirements.</p>			
3	Identifies SGTS operability requirements.	Identifies both SGTS trains shall be operable when purge system is in use.		
	<p><u>EVALUATOR CUE:</u> Inform candidate both SGTS trains are operable.</p>			

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 4 of 5

Appl. To/JPM No.: S/RO 00.AD.040.001

Student Name: _____

Step	Action	Standard	Eval	Comments
4	Identifies SGTS exhaust sampling requirements per TR 3.11.2.6. <u>EVALUATOR CUE:</u> Inform candidate SPING is operable.	Identifies SGTS SPING must be operable <u>OR</u> alternate sampling in progress during SGTS operation.		
5	Chemistry sampling requirements of containment. <u>EVALUATOR CUE:</u> Acknowledge chemistry sampling requirement.	Identifies chemistry samples and analyzes containment atmosphere IAW SC-173-101.		
6	States release limits. <u>EVALUATOR CUE:</u> Acknowledge release limit requirement.	Identifies release rates shall not exceed the allowable limits of TR 3.11.2.1.		
7	Complete NDAP-QA-0309 Attachment B.	Completes Attachment B. Enter 1 for Unit. Enter current date for start date. Enters current time for start time.		
	<p style="text-align: center;"><u>CAUTION</u> PRIMARY CONTAINMENT SHALL NOT BE ENTERED WHILE EITHER DRYWELL OR SUPPRESSION CHAMBER INERTED.</p>			

***Critical Step**

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 5

Appl. To/JPM No.: S/RO 00.AD.040.001

Student Name: _____

Step	Action	Standard	Eval	Comments
8	Install portable oxygen analyzer 4 hours prior to de-inerting. <u>EVALUATOR CUE:</u> Acknowledge installation of portable analyzer.	Notifies I&C to install portable oxygen analyzer IAW IC-173-002.		
9	Obtains a copy of OP-173-001.	Controlled copy obtained.		
10	Refers to correct procedure section.	Selects Section 3.3 for the drywell or 3.4 for the suppression pool.		
11	Within 4 hours prior to start of purge and every 12 hours verifies the requirements of TRO 3.6.1 are met. <u>EVALUATOR CUE:</u> Acknowledge all surveillance requirements are current and satisfactory.	Verify both SGTS systems are operable per LCO 3.6.4.3. by administrative means. <u>AND</u>		
12	FAULT STATEMENT: SGTS EXHAUST RADIATION MONITOR 'A' HAS JUST FAILED DOWNSCALE. (From initiating cue)	Verify Function 2.e "SGTS Exhaust Radiation High" is operable per LCO 3.3.6.1 by administrative means.		
*13	Identifies de-inerting and air purge is not permitted until the SGTS radiation monitor is operable. <u>EVALUATOR CUE:</u> This completes the JPM.	Does not authorize de-inerting and air purge of the drywell and suppression chamber.		

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. A scheduled shutdown is in progress on Unit 1.
- B. "A" SBTG Radiation Monitor RISHH-D12-OK617A has just failed low.
- C. Unit 1 is currently in Mode 3.
- D. You are preparing for initial containment entry.

INITIATING CUE

Identify the requirements necessary for your authorization to de-inert and purge the drywell and suppression chamber with air.

TASK CONDITIONS

- A. A scheduled shutdown is in progress on Unit 1.
- B. "A" SBTG Radiation Monitor RISHH-D12-OK617A has just failed low.
- C. Unit 1 is currently in Mode 3.
- D. You are preparing for initial containment entry.

INITIATING CUE

Identify the requirements necessary for your authorization to de-inert and purge the drywell and suppression chamber with air.

PENNSYLVANIA POWER & LIGHT COMPANY

JOB PERFORMANCE MEASURE

APPROVAL AND ADMINISTRATIVE DATA SHEET

SRO	E-PLAN		06/14/03	2.4.41	4.0
Appl. To	PC017-102	0	Date	NUREG 1123 Sys. No.	K/A
	JPM Number	Rev. No.			

Task Title: Perform Emergency Plan Classification and Identify Reportability Requirements.

Completed By: _____ Reviews: _____

Russ Halm	06/14/03		
Writer	Date	Instructor/Writer	Date

Approval:

Requesting Supv./C.A.	Date	Nuclear Trng. Supv.	Date
Head			

	15 Time Critical/10	
Date of Performance:	Allowed Time (Min.)	Time Taken (Min.)

JPM Performed By: _____

Student Name: _____

Last	First	M.I.	Employee #/S.S. #
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Performance Evaluation: () Satisfactory () Unsatisfactory

Evaluator Name: _____

Signature	Typed or Printed
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Comments:

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO E-PLAN PC017-102**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. EP-PS-100, EMERGENCY DIRECTOR CONTROL ROOM, REV. 18
- B. PC0170-102, SIMULATOR EVALUATION SCENARIO
- C. NDAP-QA-0720 , STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE, REV. 9

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

V. INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

VI. TASK STANDARD

Emergency classification of Site Area Emergency declared within 15 minutes and 1 hour reportability to the NRC identified.

PERFORMANCE CHECKLIST

Page 3 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-102

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE:</u></p> <ul style="list-style-type: none"> This JPM must be performed in the simulator following completion of the scenario as Unit Supervisor. This is a time critical JPM. Ensure a copy of EP-PS-100 is available to support performance of this JPM. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.</p> <p><u>EVALUATOR NOTE:</u> After the candidate reviews the Task Conditions / Initiating Cue Sheet:</p> <ul style="list-style-type: none"> Ask if the candidate is ready to begin the JPM. When the candidate is ready to begin the JPM inform the candidate that this is a Time Critical JPM. <p>Record Start Time _____</p>			
1	Obtains a copy of EP-PS-100.	Controlled copy obtained.		
2	Evaluates information.	Identifies loss of reactivity control as potential Emergency Plan entry.		
	<p><u>EVALUATOR CUE:</u> Assistance may be necessary for some specific scenario data or sequence of events. Use your judgement on acceptable levels of cueing based on candidate's request.</p>			
3	Refers to classification matrix.	Selects Tab 4.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 4 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-102

Student Name: _____

Step	Action	Standard	Eval	Comments
4	Reviews the table of contents for events experienced during the scenario.	Reviews all category 11.		
*5	Choose appropriate emergency action level.	Identifies entry into EAL 11.3 based upon loss of functions needed to bring the reactor subcritical and loss of ability to bring reactor to cold shutdown.		
*6	Record Time of Site Area Emergency declaration _____ <u>EVALUATOR CUE:</u> After the emergency declaration is made, Hand the candidate the second cue sheet for reportability requirements	Classifies the event as a Site Area Emergency.		
7	Obtains a copy of NDAP-QA-0720 , STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE	Controlled copy obtained.		
8	Reviews reporting requirements	Reviews Attachments: E, F, G, and H		
9	Determines Reportability requirements	Determines 1 hour ENS notification due to activation of the emergency plan.		
*10	Reports results	Reports 1 hour ENS notification to the evaluator.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-102

Student Name: _____

Step	Action	Standard	Eval	Comments
	<u>EVALUATOR CUE:</u> After the reportability requirements have been identified, inform the candidate the JPM is complete.			

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. The emergency plan has just been implemented for the classification you just made.

INITIATING CUE

Based on this emergency classification ONLY, determine the NDAP-QA-0720, STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE reporting requirements, and report your results to the evaluator.

TASK CONDITIONS

- A. The emergency plan has just been implemented for the classification you just made.

INITIATING CUE

Based on this emergency classification ONLY, determine the NDAP-QA-0720, STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE reporting requirements, and report your results to the evaluator.

TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

PENNSYLVANIA POWER & LIGHT COMPANY

JOB PERFORMANCE MEASURE

APPROVAL AND ADMINISTRATIVE DATA SHEET

SRO	E-PLAN	0	06/14/03	2.4.41	4.0
Appl. To	PC017-103	Rev. No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Perform Emergency Plan Classification and Identify Reportability Requirements.

Reviews:

<u>Russ Halm</u>	<u>06/14/03</u>		
Writer	Date	Instructor/Writer	Date

Approval:

Requesting Supv./C.A. Head	Date	Nuclear Trng. Supv.	Date
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Date of Performance:	15 Time Critical/10 Allowed Time (Min.)	Time Taken (Min.)
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JPM Performed By:

Student Name: _____

Last	First	M.I.	Employee #/S.S. #
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Performance Evaluation: () Satisfactory () Unsatisfactory

Evaluator Name: _____

Signature	Typed or Printed
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Comments:

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO E-PLAN PC017-103**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. EP-PS-100, EMERGENCY DIRECTOR CONTROL ROOM, REV. 18
- B. PC0170-103, SIMULATOR EVALUATION SCENARIO
- C. NDAP-QA-0720 , STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE, REV. 9

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

V. INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

VI. TASK STANDARD

Emergency classification of Site Area Emergency declared within 15 minutes and 1 hour reportability to the NRC identified.

PERFORMANCE CHECKLIST

Page 3 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-103

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE:</u></p> <ul style="list-style-type: none"> This JPM must be performed in the simulator following completion of the scenario as Unit Supervisor. This is a time critical JPM. Ensure a copy of EP-PS-100 is available to support performance of this JPM. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.</p> <p><u>EVALUATOR NOTE:</u> After the candidate reviews the Task Conditions / Initiating Cue Sheet:</p> <ul style="list-style-type: none"> Ask if the candidate is ready to begin the JPM. When the candidate is ready to begin the JPM inform the candidate that this is a Time Critical JPM. <p>Record Start Time _____</p>			
1	Obtains a copy of EP-PS-100.	Controlled copy obtained.		
2	<p>Evaluates information.</p> <p><u>EVALUATOR CUE:</u> Assistance may be necessary for some specific scenario data or sequence of events. Use your judgement on acceptable levels of cueing based on candidate's request.</p>	<p>Identifies the following events as potential Emergency Plan entry:</p> <ul style="list-style-type: none"> Unexpected in-plant high radiation levels Loss of reactor vessel inventory Steam line break 		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 4 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-103

Student Name: _____

Step	Action	Standard	Eval	Comments
3	Refers to classification matrix.	Selects Tab 4.		
4	Reviews the table of contents for events experienced during the scenario.	Reviews all category 6. Reviews all category 12. Reviews all category 18.		
*5	Choose appropriate emergency action level.	Identifies entry into EAL 18.3 based upon any other un-isolatable steam line break (RWCU Break).		
*6	Record Time of Site Area Emergency declaration _____ <u>EVALUATOR CUE:</u> After the emergency declaration is made, Hand the candidate the second cue sheet for reportability requirements	Classifies the event as a Site Area Emergency.		
7	Obtains a copy of NDAP-QA-0720 , STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE	Controlled copy obtained.		
8	Reviews reporting requirements	Reviews Attachments: E, F, G, and H		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-103

Student Name: _____

Step	Action	Standard	Eval	Comments
9	Determines Reportability requirements	Determines 1 hour ENS notification due to activation of the emergency plan.		
*10	<p>Reports results</p> <p><u>EVALUATOR CUE:</u></p> <p>After the reportability requirements have been identified, inform the candidate the JPM is complete.</p>	Reports 1 hour ENS notification to the evaluator.		

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. The emergency plan has just been implemented for the classification you just made.

INITIATING CUE

Based on this emergency classification *ONLY*, determine the NDAP-QA-0720, STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE reporting requirements, and report your results to the evaluator.

TASK CONDITIONS

- A. The emergency plan has just been implemented for the classification you just made.

INITIATING CUE

Based on this emergency classification ONLY, determine the NDAP-QA-0720, STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE reporting requirements, and report your results to the evaluator.

TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

**REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO E-PLAN PC017-104**

I. SAFETY CONSIDERATIONS

- A. All Operations personnel are responsible for maintaining their radiation exposure As Low As Reasonably Achievable in accordance with OP-AD-002, Standards for Shift Operations.
- B. All applicable safety precautions shall be taken in accordance with established PPL safety policies and the Safety Rule Book, for example:
 - 1. Whenever any electrical panel is opened for inspection during JPM performance.
 - 2. Whenever entering any plant area where specific safety equipment; such as hearing or eye protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.
- C. If in the judgement of the evaluator any safety issue occurs during the performance of a JPM, the JPM will be terminated until the issue is resolved.

II. REFERENCES

- A. EP-PS-100, EMERGENCY DIRECTOR CONTROL ROOM, REV. 18
- B. PC0170-104, SIMULATOR EVALUATION SCENARIO
- C. NDAP-QA-0720 , STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE, REV. 9

III. REACTIVITY MANIPULATIONS

This JPM satisfies the requirements of Operational Activity(s):

None

IV. TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

V. INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

VI. TASK STANDARD

Emergency classification of Alert declared within 15 minutes and 1 hour reportability to the NRC identified.

PERFORMANCE CHECKLIST

Page 3 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-104

Student Name: _____

Step	Action	Standard	Eval	Comments
	<p><u>EVALUATOR NOTE:</u></p> <ul style="list-style-type: none"> This JPM must be performed in the simulator following completion of the scenario as Unit Supervisor. This is a time critical JPM. Ensure a copy of EP-PS-100 is available to support performance of this JPM. <p><u>EVALUATOR NOTE:</u> To begin this JPM, provide the candidate with the Task Conditions and Initiating Cue Sheet.</p> <p><u>EVALUATOR NOTE:</u> After the candidate reviews the Task Conditions / Initiating Cue Sheet:</p> <ul style="list-style-type: none"> Ask if the candidate is ready to begin the JPM. When the candidate is ready to begin the JPM inform the candidate that this is a Time Critical JPM. <p>Record Start Time _____</p>			
1	Obtains a copy of EP-PS-100.	Controlled copy obtained.		
2	Evaluates information.	Identifies loss of reactor vessel inventory as potential Emergency Plan entry.		
	<p><u>EVALUATOR CUE:</u> Assistance may be necessary for some specific scenario data or sequence of events. Use your judgement on acceptable levels of cueing based on candidate's request.</p>			
3	Refers to classification matrix.	Selects Tab 4.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 4 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-104

Student Name: _____

Step	Action	Standard	Eval	Comments
4	Reviews the table of contents for events experienced during the scenario.	Reviews all category 12.		
*5	Choose appropriate emergency action level.	Identifies entry into EAL 12.2 based upon reactor coolant system leak rate greater than 50 gpm.		
*6	Record Time of Alert declaration _____	Classifies the event as an Alert.		
	<u>EVALUATOR CUE:</u>			
	After the emergency declaration is made, Hand the candidate the second cue sheet for reportability requirements			
7	Obtains a copy of NDAP-QA-0720 , STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE	Controlled copy obtained.		
8	Reviews reporting requirements	Reviews Attachments: E, F, G, and H		
9	Determines Reportability requirements	Determines 1 hour ENS notification due to activation of the emergency plan.		
*10	Reports results	Reports 1 hour ENS notification to the evaluator.		

*Critical Step

#Critical Sequence

PERFORMANCE CHECKLIST

Page 5 of 5

Appl. To/JPM No.: SRO E-PLAN PC017-104

Student Name: _____

Step	Action	Standard	Eval	Comments
	<u>EVALUATOR CUE:</u> After the reportability requirements have been identified, inform the candidate the JPM is complete.			

*Critical Step

#Critical Sequence

TASK CONDITIONS

- A. The emergency plan has just been implemented for the classification you just made.

INITIATING CUE

Based on this emergency classification ONLY, determine the NDAP-QA-0720, STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE reporting requirements, and report your results to the evaluator.

TASK CONDITIONS

- A. The emergency plan has just been implemented for the classification you just made.

INITIATING CUE

Based on this emergency classification ONLY, determine the NDAP-QA-0720, STATION REPORT MATRIX AND REPORTABILITY EVALUATION GUIDANCE reporting requirements, and report your results to the evaluator.

TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.

TASK CONDITIONS

- A. Consider the plant transient conditions and failures experienced in this scenario.

INITIATING CUE

Provide the highest emergency classification level for the events in the scenario just completed.