ADMIN EXAMINATION QUESTION WORKSHEET

Attachment 1

(Form ES-401-6 comparable)

RO only | A.1a. SRO only | Both

Proposed Question

The scheduled Unit 2 PCO for day shift reports to you prior to shift relief that their doctor has prescribed a cough medicine with codeine due to illness.

a. Can the PCO assume the shift?

b. What actions must you take concerning this operator?

Proposed Answer

a. No, the PCO can not assume the shift

b. (1)Complete Attachment A of OP-AD-10, (2)Notify immediate supervisor, (3)Send completed form OP-AD-10-3 to Operations Training Coordinator

Reference(s) OP-AD-010 6.3.1

K&A Statement 2.1.1 - Knowledge of conduct of operations requirements 3.7/3.8

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

RO only | A.1.b SRO only | Both

Proposed Question

A Unit 1 reactor startup is in progress with power at 14% RTP. You are the Shift Supervisor when the PCOM is instructed to move a rod from position 08 to position 12 in accordance with the pull sheet. The PCOM reports that the rod is already at position 10, not 08 as required by the pull sheet.

a. What notifications must be made based on this discovery by the PCOM?

Proposed Answer

a. Prompt verbal notification to Operations Line Management (Nuclear Operations Supervisor-Shift Operations and/or Manager Nuclear Operations) must be made

Reference(s): OP-AD-002 step 7.5.3.b.(3) and 7.6.2

K&A Statement: 2.1.20 - Ability to execute procedural steps 4.3/4.2

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET

Attachment 1

(Form ES-401-6 comparable)

RO only | A.1c. SRO only | Both

Proposed Question

At night shift turnover the on-coming PCOM for Unit 2 is involved in an accident in Scranton and will not be able to make it in to assume the shift for approximately 4 hours.

a. What action must you take as the Shift Supervisor if this position is required to be filled?

b. What action would be taken if minimum shift compliment could not be maintained?

Proposed Answer

a. Hold a qualified individual to fill position until a qualified individual can take the position

b. Notify: (1)On call SRO by pager to supplement shift. (2) notify Manager-Nuclear Operations or Nuclear Operations Supervisor- Shift Operations, (3)General Manager-SSES (4) and Supervisor-Emergency Planning or Emergency Plan Duty Planner. (5) Utilize 'on call' duty manager via the duty pager for assistance to fill the vacant position (6)Comply with T.S. 5.2.2 and TR 4.1.2. (7) provide courtesy call to NRC resident as soon as practical after determination that less than full staffing will exist. (8)Generate a CR

Reference(s): NDAP-QA-0300 6.2.1; TS 5.2.2

K&A Statement: 2.1.4 - Knowledge of shift staffing requirements 2.3/3.4

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

RO only | A.1d. SRO only | Both

Proposed Question

The following events have occurred:
- You have just completed day shift as the US after 2 days off
- You then attended scheduled Just In Time simulator training from 1830 to 2130 hours
- At 0000 you received a call-out to relieve the night shift US as soon as possible
- The call-out is not critical in nature

a. What is the earliest time you can relieve the night shift US?

b. What is the latest time you must be relieved as the day shift US (without using an Overtime Limit Deviation Request)?

Proposed Answer
a. 0530
b. 1430

Reference(s) OP-AD-002 13.0

Day shift = 12 hours + training = 3 hours + minimum 8 hour break = 0530
12 + 3 + 9 = Maximum 24 worked in 48 hour period

K&A Statement 2.1.1 - Knowledge of conduct of operations requirements 3.7/3.8

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

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

SRO	SROA.2	0	05/06/02	2.2.24	3.8
Appl To	JPM Number	Rev No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Review Failed Surveillance Test and Determine Action

Completed By:

Bruce Hennigan
Writer

05/06/02
Date

Reviews:

Instructor/Writer

6/13/02
Date

Approval:

NA
Requesting Supv./C.A. Head

Date

Nuclear Training Supv.

6/13/02
Date

Date of Performance:

20 Min
Allowed Time (Min)

Time Taken (Min)

JPM Performed By:

Last First M.I.

Employee #/S.S. #

Performance Evaluation: ( ) Satisfactory ( ) Unsatisfactory

Evaluator Name:

Signature

Typed or Printed

Comments:

REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO A.2

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 PP&L safety polici 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 ey protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.

II. REFERENCES

A. SO-150-004, RCIC QUARTERLY RCIC VALVE EXERCISING
B. NDAP-QA-0722, SURVEILLANCE TESTING PROGRAM

III. REACTIVITY MANIPULATIONS

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

None

IV. TASK CONDITIONS

A. Unit 1 is in MODE 1 at 100% reactor power.
B. SO-150-004, RCIC Quarterly Valve Exercising has been performed.

V. INITIATING CUE

Review the surveillance for completion and determine what actions, if any are required.

Appl. To/JPM No.: SRO A.2 Student Name:_____

Step	Action	Standard	Eval	Comments
	Evaluator • This JPM should be performed in the Simulator following completion of the scenario as Unit Supervisor. • Give the student a few minutes to read the Task Conditions/Cue Sheet. • Give the student a copy of S0-150-004.			
1.	Reviews the surveillance package.			
*2.	Identifies the stroke time is fast for HV-149-F060.	States Acceptance Criteria is failed for HV-149-F060.		
3.	Identifies actions based upon failed acceptance criteria.	Identifies Part VI of the green Surveillance Authorization coversheet should have the box marked 'INOPERABLE or Acceptance Criteria failed.		
*3.a		Identifies a surveillance authorization retest form can be initiated and the valve re-tested. OR		

*Critical Step #Critical Sequence

Appl. To/JPM No.: SRO A.2 Student Name:_____

Step	Action	Standard	Eval	Comments
*3.b		The valve can be declared Inoperable and RCIC declared inoperable. The Conditions and required actions of TS 3.5.3 are applicable.		

*Critical Step #Critical Sequence

TASK CONDITIONS

A. Unit 1 is in MODE 1 at 100% reactor power.

B. SO-150-004, RCIC Quarterly Valve Exercising has been performed.

INITIATING CUE

Review the surveillance for completion and determine what actions, if any are required.

TASK CONDITIONS

A. Unit 1 is in MODE 1 at 100% reactor power.

B. SO-150-004, RCIC Quarterly Valve Exercising has been performed.

INITIATING CUE

Review the surveillance for completion and determine what actions, if any are required.

SURVEILLANCE AUTHORIZATION

PART I. GENERAL INFORMATION

PROCEDURE NUMBER: SO-150-004

PROCEDURE TITLE: RCIC QUARTERLY VALVE EXERCISING

WO Number:
Activity Number:
Due Date: TODAY
Violation Date:

UNIT 1

PART II. REASON FOR PERFORMANCE

- ☒ Routine
- ☐ Event or Condition Initiated (Described in Remarks)
- ☐ Post Maint/Mod Test (Described in Remarks)
- ☐ LCO Action Statements
- ☐ TRO Action Statements
- ☐ Other (Described in Remarks)

PART III. EXTENT OF TESTING

☒ Complete ☐ Partial ☐ Delete

PART IV. AUTHORIZATION TO COMMENCE

Shift Supervision Signature: Unit Supervisor Date: TODAY Time: 3 HRS AGO
(Reference any LCO or TRO Actions Entered in Remarks)

Surveillance was: ☐ Out of Service ☐ Out of Mode
Supervisor/Foreman Signature: _____ Date: _____

PART V. REMARKS

PART VI. AS-FOUND OPERABILITY (Systems/Components were found:)

☐ OPERABLE and Acceptance Criteria passed
☐ INOPERABLE or Acceptance Criteria failed (Notify Shift Supervision)

PART VII. AS-LEFT OPERABILITY

☐ OPERABLE
RETEST ATTACHED: ☐ YES ☐ N/A

PART VIII. COMPLETION

ACTUAL COMPLETION DATE: _____ TIME: _____

PART IX. CLOSURE

☐ Shift Supervision Notified

Responsible Individual: _____ ☐ A Complete Retest was Performed

Supervisor Signature: _____ Commencement Date: _____

PART X. FINAL CLOSURE

_____ Work Group closure in computer schedule complete. "N/A" when extent of testing is not "COMPLETE." (Forward to Admin-Work Management)

_____ Admin-Work Management final closure in computer schedule complete. "N/A" when extent of testing is not "COMPLETE." (Forward to DCS)

ADMIN EXAMINATION QUESTION WORKSHEET

Attachment 1
(Form ES-401-6 comparable)

RO only | A.3.a SRO only | Both

Proposed Question

An individual on your shift is 28 years old and has a TEDE lifetime dose equivalent of 30 Rem.

a. What is the SSES station maximum dose control guideline for this radiation worker?

b. Can a dose extension be authorized for this individual, explain?

Proposed Answer

a. 1,000 mRem per year
b. Yes, a valid lifetime dose extension per section 6.3 is required

Reference(s) NDAP-QA-0625 6.2.2

K&A Statement 2.3.4 – Knowledge of radiation exposure limits and contamination control/including permissible levels in excess of those authorized 2.5/3.1

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

RO only | A.3.b SRO only | Both

Proposed Question

During a Reactor Building tour you notice a locked door posted "CAUTION VERY HIGH RADIATION AREA".

What Technical Specification requirements (if any) exist for control of this door?

Proposed Answer
Per TS 5.7.2 (1) TS requires keys to area be maintained under control of the SS, Radiation Protection Manager or his designee. (2) Door shall remain locked except during periods of personnel or equipment entry or exit

Reference(s) TS 5.7.2

K&A Statement 2.3.10 – Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure 2.9/3.3

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

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

SRO	SRO A.4	0	05/06/02	2.4.40	4.0
Appl To	JPM Number	Rev No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Complete Emergency Notification Report for a Site Area Emergency Declaration

Completed By:

Bruce Hennigan — Writer — 05/06/02 Date

Reviews:

Instructor/Writer — 6/13/02 Date

Approval:

N A — Requesting Supv./C.A. Head — Date

Nuclear Training Supv. — 6/13/02 Date

Date of Performance:

	<15 Min	
	Allowed Time (Min)	Time Taken (Min)

JPM Performed By:

Last	First	M.I.	Employee #/S.S. #

Performance Evaluation: ( ) Satisfactory ( ) Unsatisfactory

Evaluator Name:

Signature	Typed or Printed

Comments:

REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
SRO.A.4

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 PP&L 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 e protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.

II. REFERENCES

A. EP-PS-100, Emergency Director, Control Room: Emergency-Plan-Position Specific Instruction

III. REACTIVITY MANIPULATIONS

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

None

IV. TASK CONDITIONS

A. While operating at 100% RTP on Unit 1, an event occurs at 1530 requiring classification.
B. Site Area Emergency 16.3 applicability is determined and the initial declaration announced at 1542.
C. It is now 1545.
D. Both Units continue to operate normally awaiting a determination to continue to operate or shutdown the units.

V. INITIATING CUE

Complete the Emergency Notification Report for this event declaration and return for SS approval.

Appl. To/JPM No.: SRO A.4 Student Name:_____

Step	Action	Standard	Eval	Comments
	Evaluator • This JPM may be performed in the Simulator following completion of the scenario as Unit Supervisor. • Give the student a few minutes to read the Task Conditions/Cue Sheet.			
1.	Obtain Emergency Notification Report form (EP-PS-100 TAB 9)	ENR form obtained		
2.	Mark the "THIS IS NOT A DRILL" box	Box marked		
3.	Enter Control Room phone number on Callback number line	entered		
*4.	Enter 1545 on notification initiated line	**1545** entered as time		
*5	Mark SITE AREA EMERGENCY box	**SITE AREA EMERGENCY** box marked		

*Critical Step #Critical Sequence

Appl. To/JPM No.: SRO A.4 Student Name:_____

Step	Action	Standard	Eval	Comments
6.	Mark UNIT ONE box	UNIT ONE Box marked		
*7.	Enter 1542 on Time Classification Declared line	**1542** entered as time		
8.	Enter current date on Date Classification Declared line	Current date entered		
9.	Circle AN and Mark Initial Declaration box	"AN"circled and Initial Declaration box marked		
10.	Enter Declaration number on Brief Non-Technical Description of the Event line	16.3 number entered (does not require description)		
11.	Mark NO box for radiological release in progress	NO box marked		
12.	Leave line 5 empty	Line 5 not entered		
13.	Enter WIND DIRECTION and WIND SPEED from PICSY printout			

*Critical Step #Critical Sequence

Appl. To/JPM No.: SRO A.4 Student Name:_____

Step	Action	Standard	Eval	Comments
14.	Mark THIS IS NOT A DRILL box	THIS IS NOT A DRILL box marked		
15.	Submit for approval	Form completed for approval		

*Critical Step #Critical Sequence

TASK CONDITIONS

A. While operating at 100% RTP on Unit 1, an event occurs at 1530 requiring classification.

B. Site Area Emergency 16.3 applicability is determined and the initial declaration announced at 1542

C. It is now 1545.

D. Both Units continue to operate normally awaiting a determination to continue to operate or shutdown the units

INITIATING CUE

Complete the Emergency Notification Report for this event declaration and return for SS approval

TASK CONDITIONS

B. While operating at 100% RTP on Unit 1, an event occurs at 1530 requiring classification.

B. Site Area Emergency 16.3 applicability is determined and the initial declaration announced at 1542

C. It is now 1545.

D. Both Units continue to operate normally awaiting a determination to continue to operate or shutdown the units

INITIATING CUE

Complete the Emergency Notification Report for this event declaration and return for SS approval

Control # _____

EMERGENCY NOTIFICATION REPORT

☐ **THIS IS A DRILL** ☐ **THIS IS NOT A DRILL**

1. This is: _____ at Susquehanna Steam Electric Station.
(Communicator's name)
My telephone number is: _____ the time is: _____
(Callback telephone number) (Time notification initiated)

2. **EMERGENCY CLASSIFICATION:**
☐ UNUSUAL EVENT ☐ SITE AREA EMERGENCY
☐ ALERT ☐ GENERAL EMERGENCY
☐ The event has been terminated

UNIT: ☐ ONE ☐ TWO ☐ ONE & TWO **TIME:** _____ **DATE:** _____
(Time classification/termination declared) (Date classification/termination declared)

THIS REPRESENTS A/AN ☐ Initial Declaration ☐ Escalation ☐ No Change **IN CLASSIFICATION STATUS**

. **BRIEF NON-TECHNICAL DESCRIPTION OF THE EVENT:**
(Limited declaration or escalation, current EAL number only) or (status report and significant event, brief description) or (when your directed by the ED, RM or EOFSS) or (termination of the emergency)

_____
_____
_____

4. **THERE IS** ☐ **NO** ☐ **AN AIRBORNE** ☐ **A LIQUID** **NON-ROUTINE RADIOLOGICAL RELEASE IN PROGRESS**
(Above Technical Requirement limits)

5. **WHEN GENERAL EMERGENCY IS THE INITIAL EVENT, PROVIDE PROTECTIVE ACTION RECOMMENDATIONS BELOW:** (Control Room use only, TSC and EOF mark **NA**)

_____
_____

6. **WIND DIRECTION IS FROM:** _____ **Wind speed is:** _____ **mph**
(Data from 10 meter meteorological tower, available on PICSY)

☐ **THIS IS A DRILL** ☐ **THIS IS NOT A DRILL**

PPROVED: _____ **TIME:** _____ **DATE:** _____
(ED, RM OR EOFSS) (Time form was approved) (Date form was approved)

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

A.1.a RO only . SRO only Both

Proposed Question

Listed below is the on-shift time for a Reactor Operator since receiving an RO License on June 15th of this year:

DATE	HOURS WORKED/DUTIES
June 21	12 hours as Unit 1 PCOP
June 28	12 hours as Unit 2 PCOP
July 04	12 hours as Unit 1 PCOM
August 15	12 hours as Unit 2 PCOP
August 16	08 hours as Unit 2 PCOP
September 01	08 hours as Unit 1 PCOM
September 25	12 hours as Unit 2 PCOP

Todays date is October 20th.

a. What is the status of this RO License today, October 20th?

b. Can the RO assume the shift as the PCOP today on Unit 1?

c. Briefly explain your answer to answer b.

Proposed Answer Reference(s) OP-AD-010 Attachment B

a. Inactive

b. No

c. Requirements for maintaining active are not met because the RO must perform RO duties for seven 8 hour shifts or five 12 hour shifts per calendar quarter

K&A Statement 2.1.1 - Knowledge of conduct of operations requirements 3.7/3.8

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

A.1.b RO only SRO only Both

Proposed Question

Unit 1 is at 100% RTP when you notice a control rod at position 44 that should be at position 48 in accordance with the pull sheet.

a. What action is required due to this position discrepancy?

Proposed Answer

a. (1)Promptly insert rod to position 00. (If INSERT Blocked from RSCS, bypass rod in RSCS per OP-156-002 and NDAP-QA-0338-9). (2)Inform Shift Supervision. (3)Initiate an AR. (4) Document in Unit Log Book. (5)Notify Reactor Engineering. (6)Perform notifications per OP-AD-001

Reference(s) ON-155-001 (3.6)

K&A Statement 2.1.20 - Ability to execute procedural steps 4.3/4.2

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

A.1c RO only . SRO only Both

Proposed Question

During day shift as the Unit 1 PCOP you require a relief to report to medical for a random drug screening.

What turnover requirements must be satisfied to allow temporary turnover to an RO that has been called up from the Work Control Center?

Proposed Answer
(1) A verbal turnover covering all applicable turnover requirements of OP-AD-002 section 7.4 except documentation of Turnover Sheets
(2) A panel walkdown and review of current plant status

Reference(s) OP-AD-002 7.4.5.b

K&A Statement 2.1.3 - Knowledge of shift turnover practices 3.0/3.4

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

A.1d RO only . SRO only Both

Proposed Question

While placing a Unit 1 Condensate pump in service during a plant startup, a procedure error is identified that prevents proper startup of the pump.

a. What action(s) are required to correct the procedure problem and complete the pump startup?

Proposed Answer
Stop the evolution and correct the procedure prior to use with a Procedure Change Process Form (NDAP-QA-0002)

Reference(s) OP-AD-002 8.2.3
OP-AD-004 9.3

K&A Statement 2.1.21 – Ability to obtain and verify controlled procedure copy
3.1/3.2

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

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

RO	ROA.2	0	05/06/02	2.2.24	2.6
Appl To	JPM Number	Rev No.	Date	NUREG 1123 Sys. No.	K/A

Task Title: Review Failed Surveillance Test and Determine Action

Completed By:

Bruce Hennigan — Writer

05/06/02 — Date

Reviews:

Instructor/Writer — Date: 6/13/02

Approval:

NA — Requesting Supv./C.A. Head — Date

Nuclear Training Supv. — Date: 6/13/02

Date of Performance: _____

20 Min — Allowed Time (Min)

_____ — Time Taken (Min)

JPM Performed By:

_____ — Last First M.I.

_____ — Employee #/S.S. #

Performance Evaluation: ( ) Satisfactory ( ) Unsatisfactory

Evaluator Name:

_____ — Signature

_____ — Typed or Printed

Comments:

REQUIRED TASK INFORMATION
JOB PERFORMANCE MEASURE
RO A.2

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 PP&L 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 e protection, safety shoes, hardhats, etc; is required and/or posted as being necessary.

II. REFERENCES

A. SO-150-004, RCIC QUARTERLY RCIC VALVE EXERCISING
B. NDAP-QA-0722, SURVEILLANC TESTING PROGRAM

III. REACTIVITY MANIPULATIONS

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

None

IV. TASK CONDITIONS

A. Unit 1 is in MODE 1 at 100% reactor power.
B. Data for SO-150-004, RCIC Quarterly Valve Exercising has been recorded on Attachment A.

V. INITIATING CUE

Review the date and complete confirmation for SO-150-004 Attachment A.

Appl. To/JPM No.: RO A.2 Student Name:_____

Step	Action	Standard	Eval	Comments
	Evaluator • This JPM should be performed in the Simulator following completion of the scenario as Unit Supervisor. • Give the student a few minutes to read the Task Conditions/Cue Sheet. • Give the student a copy of SO-150-004 Attachment A.			
1.	Reviews As Found column data on Attachment 'A'.			
*2.	Identifies stroke time is fast for HV-149-F060.	Identifies HV-149-F060 closure time is outside the 'Acceptable' value. Notifies SS that Acceptance Criteria failed and circles 'NO' under ACCEPTANCE CRITERIA MET column.		
*3.	Identifies stroke time is too slow for HV-149-F012.	Identifies HV-149-F012 opening time is outside the 'Limit' value. Notifies SS that Acceptance Criteria failed and circles 'NO' under ACCEPTANCE CRITERIA MET column.		

*Critical Step #Critical Sequence

TASK CONDITIONS

A. Unit 1 is in MODE 1 at 100% reactor power.
B. Data for SO-150-004, RCIC Quarterly Valve Exercising has been recorded on Attachment A.

INITIATING CUE

Review the data and complete confirmation for SO-150-004 Attachment A.

TASK CONDITIONS

A. Unit 1 is in MODE 1 at 100% reactor power.
B. Data for SO-150-004, RCIC Quarterly Valve Exercising has been recorded on Attachment A.

INITIATING CUE

Review the date and complete confirmation for SO-150-004 Attachment A.

DATA FORM
SO-150-004
QUARTERLY RCIC VALVE EXERCISING

	TEST CRITERIA	ACCEPTANCE CRITERIA ACCEPTABLE	ACCEPTANCE CRITERIA LIMIT	AS FOUND	ACCEPTANCE CRITERIA MET	CONFIRM
1.	TS SR 3.6.1.3.5 5.5.6 5.5.6 HV-149-F007 closure stroke time (step 6.4.4 or 6.5.7)	≥ 13 sec ≤ 18 sec	≤ 20 sec	14 sec	YES/NO	_____
2.	TS SR 3.6.1.3.5 5.5.6 5.5.6 HV-149-F084 closure stroke time (step 6.6.4)	≥ 4 sec ≤ 8 sec	≤ 10 sec	7 sec	YES/NO	_____
3.	TS SR 3.6.1.3.5 5.5.6 5.5.6 HV-149-F008 closure stroke time (step 6.11.5)	≥ 12 sec ≤ 16 sec	≤ 20 sec	14 sec	YES/NO	_____
4.	TS 5.5.6 5.5.6 HV-150-F045 opening stroke time (step 6.11.13) [6 to 10 sec stroke + 7 sec timer delay]	≥ 11 sec	≤ 17 sec	12 sec	YES/NO	_____
5.	TS 5.5.6 5.5.6 HV-150-F045 closure stroke time (step 6.11.16)	≥ 6 sec	≤ 10 sec	9 sec	YES/NO	_____

	TEST CRITERIA	ACCEPTANCE CRITERIA ACCEPTABLE	LIMIT	AS FOUND	ACCEPTANCE CRITERIA MET	CONFIRM
6.	TS SR 3.6.1.3.5 5.5.6 5.5.6 HV-149-F062 closure stroke time (step 6.12.4)	≥ 6 sec ≤ 10 sec	≤ 10 sec	9 sec	YES/NO	
7.	TS 5.5.6 5.5.6 HV-149-F060 closure stroke time (step 6.13.4)	≥ 21 sec	≤ 32 sec	19 sec	YES/NO	
8.	TS 5.5.6 5.5.6 HV-149-F059 closure stroke time (step 6.14.4)	≥ 36 sec	≤ 52 sec	46 sec	YES/NO	
9.	TS 5.5.6 5.5.6 FV-149-F019 opening stroke time (step 6.15.5)	≥ 3 sec	≤ 5 sec	4 sec	YES/NO	
10.	TS 5.5.6 5.5.6 FV-149-F019 closure stroke time (step 6.15.6)	≥ 3 sec	≤ 5 sec	4 sec	YES/NO	
11.	TS 5.5.6 5.5.6 5.5.6 HV-149-F012 closure stroke time (step 6.16.4)	≥ 7 sec ≤ 13 sec	≤ 15 sec	11 sec	YES/NO	

TEST CRITERIA	ACCEPTANCE CRITERIA: ACCEPTABLE	ACCEPTANCE CRITERIA: LIMIT	AS FOUND	ACCEPTANCE CRITERIA MET	CONFIRM
12. TS 5.5.6 5.5.6 5.5.6 HV-149-F013 opening stroke time (step 6.16.12)	≥ 7 sec ≤ 13 sec	≤ 15 sec	11 sec	YES/NO	
13. TS 5.5.6 5.5.6 5.5.6 HV-149-F013 closure stroke time (step 6.16.13)	≥ 7 sec ≤ 13 sec	≤ 15 sec	9 sec	YES/NO	
14. TS 5.5.6 5.5.6 5.5.6 HV-149-F012 opening stroke time (step 6.16.17)	≥ 7 sec ≤ 13 sec	≤ 15 sec	16 sec	YES/NO	
15. TS 5.5.6 5.5.6 HV-149-F022 opening stroke time (step 6.17.6)	≥ 17 sec	≤ 26 sec	23 sec	YES/NO	
16. TS 5.5.6 5.5.6 HV-149-F022 closure stroke time (step 6.17.9)	≥ 17 sec	≤ 26 sec	20 sec	YES/NO	
17. TS 5.5.6 5.5.6 HV-149-F031 opening stroke time (step 6.18.7)	≥ 27 sec	≤ 35 sec	33 sec	YES/NO	

	TEST CRITERIA	ACCEPTANCE CRITERIA ACCEPTABLE	LIMIT	AS FOUND	ACCEPTANCE CRITERIA MET	CONFIRM
18.	TS 5.5.6 5.5.6 HV-149-F010 closure stroke time (step 6.18.8)	≥ 26 sec	≤ 38 sec	31 sec	YES/NO	
19.	TS 5.5.6 5.5.6 HV-149-F031 closure stroke time (step 6.18.12)	≥ 27 sec	≤ 35 sec	29 sec	YES/NO	
20.	TS 5.5.6 5.5.6 HV-149-F010 opening stroke time (step 6.18.13)	≥ 26 sec	≤ 38 sec	31 sec	YES/NO	
21.	TS 5.5.6 5.5.6 5.5.6 HV-149-F088 opening stroke time (step 6.21.4 or 6.22.7)	≤ 8 sec ≥ 2 sec	≤ 12 sec	6 sec	YES/NO	
22.	TS 5.5.6 5.5.6 5.5.6 HV-149-F088 closure stroke time (step 6.21.7 or 6.22.10)	≤ 8 sec ≥ 2 sec	≤ 12 sec	6 sec	YES/NO	
23.	TS 5.5.6 5.5.6 HV-149-F025 closure stroke time (step 6.23.3)	≥ 0 sec	≤ 2 sec	1 sec	YES/NO	

	TEST CRITERIA	ACCEPTANCE CRITERIA ACCEPTABLE	ACCEPTANCE CRITERIA LIMIT	AS FOUND	ACCEPTANCE CRITERIA MET	CONFIRM
24.	TS 5.5.6 5.5.6 HV-149-F025 opening stroke time (step 6.23.6)	≥ 0 sec	≤ 2 sec	____ sec	YES/NO	
25.	TS 5.5.6 5.5.6 HV-149-F026 closure stroke time (step 6.24.3)	≥ 0 sec	≤ 2 sec	____ sec	YES/NO	
26.	TS 5.5.6 5.5.6 HV-149-F026 opening stroke time (step 6.24.6)	≥ 0 sec	≤ 2 sec	____ sec	YES/NO	
27.	TS 5.5.6 5.5.6 HV-150-F005 closure stroke time (step 6 25.3)	≥ 0 sec	≤ 2 sec	____ sec	YES/NO	
28.	TS 5.5.6 5.5.6 HV-150-F004 opening stroke time (step 6.25.6)	≥ 0 sec	≤ 2 sec	____ sec	YES/NO	
29.	TS 5.5.6 5.5.6 HV-150-F004 closure stroke time (step 6.25.9)	≥ 0 sec	≤ 2 sec	____ sec	YES/NO	
30.	TS 5.5.6 5.5.6 HV-150-F005 opening stroke time (step 6.25.13)	≥ 0 sec	≤ 2 sec	____ sec	YES/NO	

REQUIRED ACTION

	APPLICABLE	CONFIRM
I. If Acceptance Criteria has not been met, NOTIFY Shift Supervision that SO-150-004 has failed. (Step 6.28)		_____
II. For each Acceptance Criteria failure:		
A. If measured stroke time for any valve fails to meet the "Limiting Value For Full Stroke Time" acceptance criteria listed in the right hand (LIMIT) column, DECLARE that valve INOPERABLE.	YES/NO	_____
B. If measured stroke time for any valve fails to meet the acceptance criteria listed in the left-hand (ACCEPTABLE) column:		
1. On Surveillance Authorization Form, Part VI check that acceptance criteria failed.		
2. DECLARE that valve INOPERABLE; or RETEST that valve, if able, using a Surveillance Authorization Retest Form.	YES/NO	_____
3. For each retested valve:		
a. If measured stroke time for a retested valve fails to meet TS 5.5.6 Acceptance Criteria listed in the left-hand (ACCEPTABLE) column, ANALYZE the data within 96 hours to verify that the new stroke time represents acceptable valve operation, or DECLARE the valve INOPERABLE. (Analysis performed by System Engineer and the 96 hours tracked by US on Surveillance Authorization cover sheet and US Turnover Sheet.)	YES/NO	_____
b. If measured stroke time for a retested valve is within the TS 5.5.6 Acceptance Criteria listed in the left-hand (ACCEPTABLE) column, the test has been successfully completed. Additionally, CONTACT System Engineer for analysis of the cause of the initial deviation.	YES/NO	_____

III. Shift Supervision has confirmed that the following REQUIRED ACTIONS are in effect as applicable:	APPLICABLE	CONFIRM
1. TS 3.6.1.3 Condition A Actions	YES/NO	_____
2. TS 3.6.1.3 Condition C Actions	YES/NO	_____
3. TS 3.5.3 Condition A Actions	YES/NO	_____

ADMIN EXAMINATION QUESTION WORKSHEET

Attachment 1

(Form ES-401-6 comparable)

A.3.a RO only . SRO only Both

Proposed Question

The Main Turbine Control Valve area has been posted as a "CAUTION LOCKED HIGH RADIATION AREA". You have been issued a key to enter the area to inspect the hydraulic lines to the valve.

a. What is the minimum expected dose based on this posting, if this inspection takes 15 minutes?

b. Would you require a dose extension per SSES procedures to perform this evolution with a current dose of 1200 mRem for the year?

Proposed Answer

a. ~250 mRem or .25 rem (Locked Hi Rad is area >1 rem/hr)
b. No, (dose extention needed for >2000 mRem, (total would be 1450 mrem)

Reference(s)

TS 5.7
NDAP-QA-0625 6.2
NDAP-QA-0626 5.7

K&A Statement 2.3.1 – Knowledge of 10CFR 20 and related facility radiation control requirements 2.6/3.0

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

A.3.b RO only . SRO only Both

Proposed Question

What requirements exist for entry into an area posted as "GRAVE DANGER, VERY HIGH RADIATION AREA"?

Proposed Answer
(1)Approval of the General Manager-SSES or designee is required (2) A job specific RWP approved by Radiological Operations Supervisor (3) An ANSI 18.1 HP Tech with ≥ 3years experience providing constant coverage (4) required dosimetry (including PAD alarm with earphone if necessary) (5) preentry briefing

Reference(s) NDAP-QA-0626 6.2.4 b

K&A Statement 2.3.10 – Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure 2.9/3.3

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET
Attachment 1
(Form ES-401-6 comparable)

A.4.a RO only . SRO only Both

Proposed Question

You are the Unit 1 PCOM when the Control Room receives notification of a fire in the S&A building. What actions are you to take to ensure proper fire fighting response?

Proposed Answer
1) Dispatch the Fire Brigade Leader 2) Dispatch Ops Fire Brigade Members 3) Contact SCC to dispatch Security Fire Brigade Members and 4) Sound fire alarm and make plant announcements

Reference(s) ON-013-001 Att. Q

K&A Statement 2.4.27 – Knowledge of fire in the plant procedure 3.0/3.5

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____

ADMIN EXAMINATION QUESTION WORKSHEET

Attachment 1
(Form ES-401-6 comparable)

A.4.b RO only . SRO only Both

Proposed Question

The Shift Supervisor has declared an "Unusual Event" today at 0200 today. You are the Control Room Communicator.

a. What is the latest time the NRC notification must be made by?

b. After contacting the NRC on the normal line, it goes dead. How will you re-establish contact with the NRC?

Proposed Answer

a. 0300 today
b. call 1-301-816-5100 or other backup number

Reference(s)

EP-PS-126 Tab A step C4
EP-PS-126 Tab 4
NDAP-QA-0720 Att E

K&A Statement 2.4.43 – Knowledge of emergency communications systems and techniques 2.8/3.5

SSES Cross-Reference
Learning Objective(s) # _____ , _____ , _____ , _____