Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Perform A QPTR Calculation	JPM No.:	2003 NRC A1a RO
K/A Reference:	039 A2.01 (3.2)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	The plant is at 100% power. NIS power range channel N-41 is out of service.
Task Standard:	Determines QPTR outside of TS limits and informs CRS/SM
Required Materials:	SOP-RPC-005A, Rev 1 Calculator Graph NI-1
General References:	SOP-15.3 Rev 16
Handouts:	Partially completed Attachment 1
Initiating Cue:	The Shift manager has directed you to calculate QPTR manually using the given detector currents in accordance with the appropriate procedure
Time Critical Task:	NO
Validation Time:	20 Minutes

(Denote Critical Steps with an asterisk)

Note: The purpose of this JPM is to have the candidate calculate QPTR and to correctly determine TS LCO being exceeded. The candidate will be provided an Attachment 1 with upper and lower NIS detector currents already filled out.

	Performance Step: 1	Obtain SOP-RPC-005A. Refer to attachment 1 for manual calculation
	Standard:	Obtains procedure
	Comment:	**Cue: Hand candidate a copy of partially filled out Attachment 1**
	Performance Step: 2	Record top and bottom detector currents
	Standard:	Refers to Attachment 1 for currents
	Comment:	
	Performance Step: 3	Record date, time, and average reactor power
	Standard:	Records on Attachment 1
	Comment:	
*	**Performance Step: 4**	Divide each detector current output by corresponding normalization factor
	Standard:	Locates normalization factors and divides. Will only use 3 detectors, so denominator will be 3. '0' entered for channel OOS
	Comment:	
*	**Performance Step: 5**	Calculate average normalized ratio for top and bottom detectors
	Standard:	Performs calculation
	Comment:	

* **Performance Step: 6** Calculate Quadrant Power Tilt for top and bottom detectors

Standard: Performs calculation

Comment:

Performance Step: 7 Record Highest Quadrant Power Tilt Ratio

Standard: Records highest value

Comment:

* **Performance Step: 8** Determine highest QPTR is >1.02. Immediately inform CRS/SM

Standard: Refer to Attachment 1 and determine that QPTR exceeds 1.02 Immediately inform CRS/SM

Comment:

Terminating Cue: When the candidate has determined QPTR and informed the CRS/SM, the evaluation for this JPM is complete

VERIFICATION OF COMPLETION

Job Performance Measure No.: IP3 2003 NRC A1a RO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

INITIAL CONDITIONS: The plant is at 100% power.

NIS power range channel N-41 is out of service

INITIATING CUE: The Shift manager has directed you to calculate QPTR manually using the given detector currents in accordance with the appropriate procedure

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Perform Control Room Log Entries	JPM No.:	2003 NRC A1b RO
K/A Reference:	2.1.18 (2.9/3.0)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom _____ Simulator X Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	The surveillances for 1200 required by 3PT-D001 are partially completed
Task Standard:	All corrective actions taken or in progress in accordance with 3PT-D001
Required Materials:	3PT-D001 Rev 7
General References:	3PT-D001 Rev 7
Handouts:	3PT-D001 Rev 7
Initiating Cue:	Complete the remaining 3PT-D001 log entries required for 1200, located on pages 8 -11 of 13
Time Critical Task:	NO
Validation Time:	15 minutes

(Denote Critical Steps with an asterisk)

NOTE: Candidate may identify deficiencies in any order.

* **Performance Step: 1** Determines CST level is out of spec low
Standard: Circles reading and informs CRS/SM

Comment:

* **Performance Step: 2** Determines Containment pressure PI-948A is out of spec high
Standard: Circles reading and informs CRS/SM

Comment:

* **Performance Step: 3** Determines 31 SI Accumulator pressure is out of spec low
Standard: Circles reading and informs CRS/SM

Comment:

Terminating Cue: When logs are complete, the evaluation for this JPM is complete.

INITIAL CONDITIONS: The surveillances for 1200 required by 3PT-D001 are partially completed

INITIATING CUE: Complete the remaining 3PT-D001 log entries required for 1200, located on pages 8 – 11 of 13

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Perform the RCS Leak Rate Surveillance	JPM No.:	2003 NRC A2 RO
K/A Reference:	2.2.12 (3.0)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	A manual RCS leak rate calculation was started 4 hours ago in accordance with SOP-RCS-004.
Task Standard:	RCS leak rate is calculated correctly within +/- 0.1 GPM
Required Materials:	SOP-RCS-004 Steam Tables Calculator
General References:	SOP-RCS-004
Handouts:	SOP-RCS-004 and partially completed attachment 1
Initiating Cue:	Using the final values below, manually calculate RCS leak rate in accordance with SOP-RCS-004.
Time Critical Task:	NO
Validation Time:	20 Minutes

(Denote Critical Steps with an asterisk)

Note: Hand candidate partially filled out copy of attachment 1 with initial data

Performance Step: 1 Record final data

Standard: Refer to cue sheet and place final data in appropriate blocks on attachment 1

Comment:

Performance Step: 2 Notify Chemist leakrate calculation data collection is complete

Standard: Call Chemistry by phone

Comment:

* **Performance Step: 3** Calculate difference between initial and final data (Keeping + and – signs with values)

Standard: Performs calculations

Comment:

Performance Step: 4 Perform PRZR level conversion factor calculation on attachment 2

Standard: Refer to attachment 2 and enter data based upon current PRZR temperature. Records calculated value in appropriate block

Comment:

Performance Step: 5 Perform RCS temperature conversion factor calculation on attachment 2

Standard: Refer to attachment 2 and enter data based on RCS Tavg. Records value in appropriate block

Comment:

	Performance Step: 6	Calculate corrected values base on conversion factor
	Standard:	Performs calculation
	Comment:	
*	**Performance Step: 7**	Calculate total leakage in gallons by adding corrected value column
	Standard:	Performs calculation
	Comment:	
*	**Performance Step: 8**	Calculate RCS leakrate by dividing total leakage by elapsed time
	Standard:	Performs calculation. Arrives at value within 0.1 GPM of value on answer sheet.
	Comment:	
	Performance Step: 9	Complete attachment 3, RCS Leakage Review and Approval
	Standard:	Completes attachment 3, determines Unidentified leakage less than 0.9 GPM
	Comment:	

Terminating Cue: When RCS leak rate calculation is complete, the evaluation for this JPM is complete

VERIFICATION OF COMPLETION

Job Performance Measure No.: IP3 2003 NRC A2 RO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

INITIAL CONDITIONS: A manual RCS leak rate calculation was started 4 hours ago in accordance with SOP-RCS-004.

INITIATING CUE: Using the final values below, manually calculate RCS leak rate in accordance with SOP-RCS-004.

Final Values:

- Time — 4 hours from start
- PRZR liquid temp — 650°F
- Boric Acid Integrator — 100 gallons
- Primary Water Integrator — 450 gallons
- VCT Level — 24%
- Avg PRZR level — 50%
- RCS Tavg NR RTD — 569°F

Last Identified leak rate from 3 days ago per SOP-RCS-005 is 1.7 GPM

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Determine Appropriate RWP And Take Action For High Area Radiation Alarm.	JPM No.:	2003 NRC A3 RO
K/A Reference:	2.3.2 (2.5)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: X Actual Performance: _____

Classroom X Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	You are an extra operator on shift. You have been directed to check open CH-387, 31 Cation Bed Demineralizer bypass isolation, in the Ion Exchange Valve Gallery.
Task Standard:	Correct survey map identified, correct RWP used to perform task, and actions to minimize exposure are taken
Required Materials:	Survey Maps RWP Alarming dosimeter
General References:	Radiation Protection plan
Handouts:	Survey Maps RWPs
Initiating Cue:	Choose the correct RWP to perform the task required
Time Critical Task:	NO
Validation Time:	5 Minutes

(Denote Critical Steps with an asterisk)

Note: Hand the candidate the attached survey maps.

* **Performance Step: 1** Identify survey map for area required to enter

Standard: Identifies correct survey map # 03-0259(Ion Exchange Valve Gallery)

Comment: **NOTE: When survey map is identified, hand the candidate the attached RWPs.**

* **Performance Step: 2** Identify RWP required for task to be performed

Standard: Identifies correct RWP (033002 Task 3)

Comment: **CUE: When candidate identifies RWP, ask if there are any additional controls required to perform the assigned task. Correct response is that HP coverage is required for access as well as the Anti-C and dosimetry requirements on the survey map and RWP**

CUE: Inform candidate that the work is complete but their digital dosimeter is alarming.

* **Performance Step: 3** Verify dosimeter alarm condition

Standard: Checks dosimeter to check dose and dose rate

Comment: **Cue: Inform candidate that dose rate indicates 200 mr/hour**

* **Performance Step: 4** Leave the area. Contact HP

Standard: Leaves to a lower dose area. Contacts HP for guidance

Comment:

Terminating Cue: When the candidate leaves the area of high radiation and informs HP, the evaluation for this JPM is complete

VERIFICATION OF COMPLETION

Job Performance Measure No.: IP3 2003 NRC A3 RO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

INITIAL CONDITIONS:	You are an extra operator on shift. You have been directed to check open CH-387, 31 Cation Bed Demineralizer bypass isolation, in the Ion Exchange Valve Gallery.
INITIATING CUE:	Choose the correct RWP to perform the task required

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Emergency Plan Questions	JPM No.:	2003 NRC A4 RO
K/A Reference:	2.4.29 (2.6)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	N/A
Task Standard:	Two questions answered 80% correctly
Required Materials:	E-Plan Implementing Procedures
General References:	E-Plan Implementing Procedures
Handouts:	N/A
Initiating Cue:	N/A
Time Critical Task:	NO
Validation Time:	10 Minutes

ANSWER KEY

NRC RO ADMIN A.4 QUESTION 1 (NO Reference allowed)

You are the 3rd RO assigned to the watch, doing procedure walkdowns.

A Site Area Emergency has been declared at Indian Point. Site accountability is required.

Where are you required to report?

ANSWER:

The Central Control Room

REFERENCE:

IP 2001 Attachment 5.3

ANSWER KEY

NRC RO ADMIN A.4 QUESTION 2 (CLOSED Reference)

A Site Area Emergency has been declared at Indian Point.

List 5 of the Emergency Response Facilities that are staffed as a result of this event.

ANSWER:

- Central Control Room (CCR)
- Technical Support Center (TSC)
- Operations Support Center (OSC)
- Emergency Operations Facility (EOF)
- Alternate EOF (AEOF)
- Joint News Center

20% each for each correct answer to a maximum of 100%

REFERENCE:

E-Plan

NRC RO ADMIN A4 QUESTION 1

(Closed Reference)

You are the 3rd RO assigned to the watch, doing procedure walkdowns.

A Site Area Emergency has been declared at Indian Point. Site accountability is required.

Where are you required to report?

NRC RO ADMIN A4 QUESTION 2

(Closed Reference)

A Site Area Emergency has been declared at Indian Point.

List 5 of the Emergency Response Facilities that are staffed as a result of this event.

Job Performance Measure No.: IP3 2003 NRC A4 RO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Perform A QPTR Calculation And Direct Appropriate Actions	JPM No.:	2003 NRC A1a SRO
K/A Reference:	039 A2.01 (3.2)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	The plant is at 100% power. NIS power range channel N-41 is out of service.
Task Standard:	Determines QPTR outside of TS limits and initiates corrective action IAW Technical Specifications
Required Materials:	SOP-RPC-005A, Rev 1 Calculator
General References:	SOP-15.3 Rev 16
Handouts:	Partially completed Attachment 1
Initiating Cue:	The Shift manager has directed you to calculate QPTR manually using the given detector currents in accordance with the appropriate procedure, determine if the calculated values meet Technical Specification limits, and any appropriate actions to take, if necessary
Time Critical Task:	NO
Validation Time:	20 Minutes

(Denote Critical Steps with an asterisk)

Note: The purpose of this JPM is to have the candidate calculate QPTR and to correctly apply the TS actions. The candidate will be provided an Attachment 1 with upper and lower NIS detector currents already filled out.

	Performance Step: 1	Obtain SOP-RPC-005A. Refer to attachment 1 for manual calculation
	Standard:	Obtains procedure
	Comment:	**Cue: Hand candidate a copy of partially filled out Attachment 1**
	Performance Step: 2	Record top and bottom detector currents
	Standard:	Refers to Attachment 1 for currents
	Comment:	
	Performance Step: 3	Record date, time, and average reactor power
	Standard:	Records on Attachment 1
	Comment:	
*	**Performance Step: 4**	Divide each detector current output by corresponding normalization factor
	Standard:	Locates normalization factors and divides. Will only use 3 detectors, so denominator will be 3. '0' entered for channel OOS
	Comment:	
*	**Performance Step: 5**	Calculate average normalized ratio for top and bottom detectors
	Standard:	Performs calculation
	Comment:	

* **Performance Step: 6** Calculate Quadrant Power Tilt for top and bottom detectors

Standard: Performs calculation

Comment:

Performance Step: 7 Record Highest Quadrant Power Tilt Ratio

Standard: Records highest value

Comment:

* **Performance Step: 8** Determine highest QPTR is >1.02. Determine requirements of TS 3.2.4 are NOT met

Standard: Refer to TS 3.2.4 and determine that QPTR exceeds 1.02 and determine that a power reduction is necessary, 3% power for each 1% deviation over 1.0 within 2 hours

Comment:

Terminating Cue: When the candidate has determined appropriate action per TS, the evaluation for this JPM is complete

VERIFICATION OF COMPLETION

Job Performance Measure No.: IP3 2003 NRC A1a SRO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

INITIAL CONDITIONS: The plant is at 100% power.

NIS power range channel N-41 is out of service

INITIATING CUE: The Shift manager has directed you to calculate QPTR manually using the given detector currents in accordance with the appropriate procedure, determine if the calculated values meet Technical Specifica tion limits, and any appropriate actions to take, if necessary

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Review Control Room Log Entries	JPM No.:	2003 NRC A1b SRO
K/A Reference:	2.1.18 (3.0)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	The surveillances required by 3PT-D001 are complete for 1200
Task Standard:	All corrective actions taken or in progress in accordance with 3PT-D001
Required Materials:	3PT-D001 Rev 7
General References:	3PT-D001 Rev 7
Handouts:	3PT-D001 Rev 7
Initiating Cue:	Review the log entries taken at 1200 for approval
Time Critical Task:	NO
Validation Time:	15 minutes

(Denote Critical Steps with an asterisk)

NOTE: Candidate may identify deficiencies in any order.

*	**Performance Step: 1**	Determines CST level is out of spec low
	Standard:	Refer to TS SR 3.7.6.1. Determine TS minimum is met. Action to commence filling. Document by circling NO in section 7.1 of procedure (Any step of this JPM)
	Comment:	
*	**Performance Step: 2**	Determines Containment Average Air temperature is out of spec high
	Standard:	Refers to TS 3.6.5 and commence action to restore Starts Containment FCU or raise service water flow
	Comment:	
*	**Performance Step: 3**	Determines 31 SI Accumulator pressure is out of spec low
	Standard:	Refers to TS 3.5.1 and commences action to restore pressure Enters the action statement of TS 3.5.1
	Comment:	**NOTE: Containment Air Temperature and CST level are out of spec but not inoperable per TS. 31 Accumulator is inoperable per TS**
	Terminating Cue:	When log review is complete, the evaluation for this JPM is complete.

VERIFICATION OF COMPLETION

Job Performance Measure No.: IP3 2003 NRC A1b SRO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

INITIAL CONDITIONS: The surveillances required by 3PT-D001 are complete for 1200

INITIATING CUE: Review the log entries taken at 1200 for approval

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Review (For Approval) A Completed Surveillance	JPM No.:	2003 NRC A2 SRO
K/A Reference:	2.2.12 (3.4)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	The Plant is at 100% power. All equipment in service. The Essential Service Water Header is 1, 2, 3 3PT-Q092A, 31 Service Water Pump Train Operational Test, was performed on your shift.
Task Standard:	Deficiency identified and TS action
Required Materials:	3PT-Q092A Rev 9
General References:	3PT-Q092A Rev 9
Handouts:	3PT-Q092A Rev 9
Initiating Cue:	You have been directed by the Shift Manager to perform acceptance criteria review and approval per sections 6.0 and 7.0 of 3PT-Q092A
Time Critical Task:	No
Validation Time:	15 minutes

(Denote Critical Steps with an asterisk)

Performance Step: 1 Reviews acceptance criteria

Standard: Checks section

Comment:

* **Performance Step: 2** Determines acceptance criteria for pump flow and DP is not met

Standard: Attachment 4; 81 PSID for 3700 GPM is **low**

Comment:

* **Performance Step: 3** Determines action required

Standard: Step 7.2.4 requires action for IST surveillance failure – 31 SWP

- Notify CRS (Since he/she is acting as CRS, may just note that CRS/SM is required)
- Initiate a PID and a DER
- Take applicable action in accordance with TS 3.7.9

Comment: **Cue: When candidate says he/she will initiate a PID and DER, inform them that it will be done by another operator.**

Performance Step: 4 Refer to Tech Spec section 3.7.9

Standard: Determines no action required as long as all other Service Water pumps are operable.

Pump may be placed on Non-Essential header, where 2 out of 3 are required

Terminating Cue: When the candidate has referred to Technical Specifications, the evaluation for this JPM is complete

VERIFICATION OF COMPLETION

Job Performance Measure No.: IP3 2003 NRC A2 SRO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

INITIAL CONDITIONS:

The Plant is at 100% power. All equipment in service.

The Essential Service Water Header is 1, 2, 3

3PT-Q092A, 31 Service Water Pump Train Operational Test, was performed on your shift.

INITIATING CUE:

You have been directed by the Shift Manager to perform acceptance criteria review and approval per sections 6.0 and 7.0 of 3PT-Q092A

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	ADMIN A3 SRO Questions	JPM No.:	2003 NRC A3 SRO
K/A Reference:	2.3.2 (2.9) 2.3.4 (3.1)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: _____

Classroom __X__ Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions:	N/A
Task Standard:	Two Questions answered at least 80% Correctly
Required Materials:	E-Plan
General References:	E-Plan OD-35
Handouts:	NONE
Initiating Cue:	N/A
Time Critical Task:	NO
Validation Time:	10 Minutes

ANSWER KEY

NRC SRO ADMIN A.3 QUESTION 1 (Reference allowed)

You are the Shift Manager.

A Site Area Emergency has been declared at Indian Point.

Elevated radiation levels exist throughout the plant.

An EOP attachment will be performed by an NPO to perform local operator actions.

What are the restrictions on his allowable dose to perform this task?

ANSWER:

≤ 5 Rem TEDE if possible, (50%) with an extension to 10 Rem possible to protect property (50%)

REFERENCE:

E-Plan Part 2 section K

ANSWER KEY

NRC SRO ADMIN A.3 QUESTION 2 (CLOSED Reference)

You are the Shift Manager.

A normally locked manual isolation valve in the Excess Letdown Heat Exchanger discharge line in a High Radiation Area was repositioned by an operator that received 65 millirem.

Concurrent verification of valve position was NOT performed. The valve requires independent verification of its new position.

What are the requirements for independently verifying the position of this valve? Explain your answer.

ANSWER:

The Shift Manager may waive requirements for Independent Verification of this valve. (40%)

Alternate verification techniques may be used. (40%)

- Remote position indicators (5%)
- Use of process parameters (flow, pressure) (5%)
- Valve stem observation (5%)
- Functional mechanical position indicators (5%)

REFERENCE:

OD-35 Sections 4.1.10 and 4.3.5

NRC SRO ADMIN QUESTION 1

(Open Reference)

You are the Shift Manager.

A Site Area Emergency has been declared at Indian Point.

Elevated radiation levels exist throughout the plant.

An EOP attachment will be performed by an NPO to perform local operator actions.

What are the restrictions on his allowable dose to perform this task?

NRC SRO ADMIN QUESTION 2

(Closed Reference)

You are the Shift Manager.

A normally locked manual isolation valve in the Excess Letdown Heat Exchanger discharge line in a High Radiation Area was repositioned by an operator that received 65 millirem.

Concurrent verification of valve position was NOT performed. The valve requires independent verification of its new position.

What are the requirements for independently verifying the position of this valve? Explain your answer.

Job Performance Measure No.: IP3 SRO ADMIN A3 QUESTIONS

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Facility:	Indian Point Unit 3	Task No.:	N/A
Task Title:	Perform Event Classification	JPM No.:	2003 NRC A4 SRO
K/A Reference:	2.4.41 (4.1)		

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: __X__

Classroom __X__ Simulator _____ Plant _____

READ TO THE EXAMINEE

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

Initial Conditions: A LOCA has occurred.

- Automatic reactor trip did NOT occur. The reactor was tripped from the Flight Panel
- Safety Injection and RHR pumps are operating as required
- RCS pressure has decreased to approximately 100 psig and has stabilized.
- Containment pressure has increased to 2.8 psig and has stabilized
- Upon completion of E-0, Reactor Trip or Safety Injection, the team entered the following procedures in sequence:
  - FR-C.2, due to an Orange Path on Core Cooling.
  - FR-P.1, due to an Orange Path on Integrity
  - E-1, due to the LOCA in progress.

Task Standard: Classification is correctly made for the event given

Required Materials: Event Classification Guide

General References: Event Classification Guide

Handouts: Event Classification Guide

Initiating Cue: Perform Emergency Classification of the event in progress

Time Critical Task: **YES**

Validation Time: 15 Minutes

(Denote Critical Steps with an asterisk)

Time started: _____

* **Performance Step: 1** Classify the Event in accordance with the event classification guide

Standard: Classification is a GENERAL EMERGENCY, Criteria 4.1.5, or criteria 9.1.8

Comment: **Evaluator Note:**

4.1.5 General Emergency due to a Loss of RCS pressure without a corresponding rise in Containment pressure, coincident with a potential loss of fuel cladding (Orange Core Cooling)

9.1.8 General Emergency due to Loss of RCS and Containment Barriers, and Potential Loss of Fuel Cladding

Time Completed: _____

Terminating Cue: When event classification has been made, the evaluation for this JPM is complete

VERIFICATION OF COMPLETION

Job Performance Measure No.: IP-3 2003 NRC A4 SRO

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

INITIAL CONDITIONS: A LOCA has occurred.

- Automatic reactor trip did NOT occur. The reactor was tripped from the Flight Panel
- Safety Injection and RHR pumps are operating as required
- RCS pressure has decreased to approximately 100 psig and has stabilized.
- Containment pressure has increased to 2.8 psig and has stabilized
- Upon completion of E-0, Reactor Trip or Safety Injection, the team entered the following procedures in sequence:
  - FR-C.2, due to an Orange Path on Core Cooling.
  - FR-P.1, due to an Orange Path on Integrity
  - E-1, due to the LOCA in progress.

INITIATING CUE: Perform Emergency Classification of the event in progress