

NRC REGION III
INITIAL LICENSE EXAM
JOB PERFORMANCE MEASURE

JPM: RO ADMIN 3

TITLE: PLACE IN OPERATION RIA-2322
CONTAINMENT GAMMA MONITOR

CANDIDATE: _____

EXAMINER: _____

JOB PERFORMANCE MEASURE
DATA PAGE

Task: Remove/Restore to operation and test Analog and Digital Area Radiation Monitors

Alternate Path: N/A

Facility JPM #: NEW

K/A: 2.3.5 Importance: RO: 2.9

K/A Statement: Ability to use radiation monitoring systems, such a fixed radiation monitors and alarms, portable survey instruments, personnel monitoring equipment, etc.

Task Standard: Correctly place in service and test RIA-2322, Containment Gamma Monitor per SOP-39

Preferred Evaluation Location: Simulator In Plant

Preferred Evaluation Method: Perform Simulate

References: SOP-39, AREA RADIATION MONITORING SYSTEM

Validation Time: 10 minutes Time Critical: NO

Candidate: _____

Time Start: _____ Time Finish: _____

Performance Time: _____ minutes

Performance Rating: SAT _____ UNSAT _____

Comments:

Examiner: _____
Signature

Date: _____

EXAMINER COPY ONLY

Tools/Equipment/Procedures Needed:

- SOP-39, Section 7.2.3, Rev.12

Also see **Simulator Operator Instructions** (last page of this document).

READ TO CANDIDATE**DIRECTION TO CANDIDATE:**

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

INITIAL CONDITIONS:

RIA-2322, Containment Gamma Monitor, has been returned to service following maintenance by the I & C department.

INITIATING CUES:

The CRS directs you to perform an Electronic Check Source Test on RIA-2322 per Section 7.2.3 of SOP-39.

Proc. Step	TASK ELEMENT 1	STANDARD	Grade
n/a	SOP-39, Area Radiation Monitoring System, Section 7.2.3, To Test located.	Section 7.2.3 of SOP-39 located	S U
<p>Comment:</p> <p><i>Evaluator provides candidate with a Working Copy.</i></p>			

Proc. Step	TASK ELEMENT 2	STANDARD	Grade
7.2.3.a.1	Place function switch in TEST position	Function switch placed in TEST position	S U
<p>Comment:</p> <p>NOTE: <i>EK-0226, Cont Gamma RIA-2322 Fail, alarm may annunciate when going to the 'TEST' position, this is considered normal</i></p> <p>CRITICAL STEP</p>			

Proc. Step	TASK ELEMENT 3	STANDARD	Grade
7.2.3.a.2.a	<p>Momentarily DEPRESS ECS push button AND VERIFY the following:</p> <p>(a) Green (Safe-Reset) light stays illuminated</p>	ECS push button momentarily DERESSED and Operator VERIFIES Green (Safe-Reset) light illuminates.	S U
<p>Comment:</p> <p>CRITICAL STEP</p>			

Proc. Step	TASK ELEMENT 4	STANDARD	Grade
7.2.3.a.2.b	Momentarily DEPRESS ECS push button AND VERIFY the following: (b) IF the meter fails to deflect OR the green light extinguishes after approx. four seconds,	Determines that this step does not apply. Meter deflects and green light stays illuminated.	S U
Comment:			

Proc. Step	TASK ELEMENT 5	STANDARD	Grade
7.2.3.a.3	PUSH AND HOLD Channel Test push button AND OBSERVE Alert, High, and Channel Test lamps light immediately and annunciator EK-0226 will alarm	Channel Test push button Pushed AND HELD , Operator OBSERVES (the following): <ul style="list-style-type: none"> ▪ Alert Channel Test lamp lights immediately ▪ High Channel Test lamp lights immediately ▪ Annunciator EK-0226, CONT GAMMA RIA-2322 FAIL (On front of Panel C-11A). 	S U
Comment: <i>Evaluator Note: Operator may respond to alarm EK-0226, this alarm is normal when Channel Test pushbutton is pushed.</i> CRITICAL STEP			

Proc. Step	TASK ELEMENT 6	STANDARD	Grade
7.2.3.a.4	RELEASE Channel Test push button <u>AND</u> OBSERVE the Alert and High lamps shall go out. The Safe/Reset lamp may go out.	Channel Test push button RELEASED <u>AND</u> Operator OBSERVES : <ul style="list-style-type: none"> ▪ Alert lamp goes out ▪ High lamp goes out 	S U
<p>Comment:</p> <p><i>Evaluator Note: Operator may respond to alarm EK-0226, this alarm is normal when Channel Test pushbutton is pushed.</i></p> <p>CRITICAL STEP</p>			

Proc. Step	TASK ELEMENT 7	STANDARD	Grade
7.2.3.a.5	PLACE function switch to ALL position	Function switch PLACED to ALL position	S U
<p>Comment:</p> <p>CRITICAL STEP</p>			

Proc. Step	TASK ELEMENT 8	STANDARD	Grade
7.2.3.a.6	Momentarily DEPRESS ECS push button <u>AND</u> VERIFY the following: (a) Meter indicates approximately 10 ³ R/hr (b) Green (Safe-Reset) light illuminates	ECS push button DEPRESSED <u>AND</u> the following VERIFIED : (a) Meter reads approximately 10 ³ R/hr (b) Green (Safe-Reset) light illuminated	S U
<p>Comment:</p> <p>CRITICAL STEP</p>			

Proc. Step	TASK ELEMENT 9	STANDARD	Grade
n/a	Notify the CRS that RIA-2322 has been returned to service and tested per Section 8.2.2 of SOP-39.	Operator notifies CRS of completion of return to service of RIA-2322, per Section 8.2.2 of SOP-39.	S U
Comment:			

END OF TASK

CANDIDATE CUE SHEET

(TO BE RETURNED TO EXAMINER TO UPON COMPLETION OF TASK)

INITIAL CONDITIONS:

RIA-2322, Containment Gamma Monitor, has been returned to service following maintenance by the I & C department.

INITIATING CUES:

The CRS directs you to perform an Electronic Check Source Test on RIA-2322 per Section 7.2.3 of SOP-39.

SIMULATOR OPERATOR INSTRUCTIONS

- Any at power IC.
- RIA-2322, Containment Gamma Monitor, Function Switch in **ON** position.