Exelon Nuclear

Job Performance Measure

Perform Post Maintenance Test of the Fuel Pool Radiation Monitor

JPM Number: 2014 ILT NRC JPM g

Revision Number: <u>00</u>

Date: 10/18/13

Developed By:		
, ,	Instructor	Date
Validated By:		
·	SME or Instructor	Date
Reviewed By:	Operations Representative	Date
Approved By:	Training Department	Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

 •	of this checklist should be performed upon in JPM usage, revalidate JPM using steps 9 and		
 _ 1.	Task description and number, JPM descript	ion and number are	identified.
 _ 2.	Knowledge and Abilities (K/A) references ar	e included.	
 _ 3.	Performance location specified. (in-plant, co	ontrol room, simulato	r, or other)
 _ 4.	Initial setup conditions are identified.		
 _ 5.	Initiating cue (and terminating cue if require	d) are properly ident	ified.
 _ 6.	Task standards identified and verified by SM	ME review.	
 _ 7.	Critical steps meet the criteria for critical steasterisk (*).	ps and are identified	l with an
 _ 8.	If an alternate path is used, the task standar completion.	rd contains criteria fo	or successful
_ 9.	Verify the procedure(s) referenced by this J Procedure QCOP 1700-06 Rev: 7 Procedure Rev: Rev: Rev: Rev:	PM reflects the curre	ent revision:
 _ 10.	Verify cues both verbal and visual are free of	of conflict.	
 _ 11.	Verify performance time is accurate		
 _ 12.	If the JPM cannot be performed as written wrevise the JPM.	vith proper response	s, then
 _ 13.	When JPM is initially validated, sign and darvalidations, sign and date below:	te JPM cover page.	Subsequent
	CME / Instructor	Doto	
	SME / Instructor	Date	
	SME / Instructor	Date	
	SME / Instructor	 Date	

Revision Record (Summary)

Revision 00, Renamed to 2014 ILT NRC JPM g. Restarted numbering accordingly.

Previous changes were

Revision 00, This JPM was developed for ILT NRC Exam 03-01 IAW NUREG 1021, Rev 9.

Revision 01, This JPM was updated for the 2011 ILT Cert Exam.

SIMULATOR SETUP INSTRUCTIONS

1) **RESET** simulator to IC 21 (or any other IC).

NOTE: IF the IC listed above is not available, OR it is desired to perform this JPM alone, it is okay to use a different IC than one listed above, provided the IC actually used is verified to be compatible with this and other JPMs scheduled to be run concurrently.

- 2) Go to RUN.
- 3) Insert the following commands: (These commands contained in the CAEP file: <u>g caep.cae</u>)
 - ior lorm1170516a2 off (Override the HIGH light on the 1A Fuel Pool Rad Monitor so that it will NOT illuminate when tested)
 - **ior dirm1170516asw2 reset** (Override the 1A Fuel Pool Rad Monitor in the RESET state)
- 4) Provide a copy of QCOP 1700-06 with Prerequisites signed off.
- 5) Verify the Fuel Pool Rad Monitor, 1-1705-16A, potentiometer is full counter-clockwise.
- 6) Obtain a key for the Fuel Pool Rad Monitor bypass switch (PA235 or PA2235)
- 7) When the above steps are completed for this and other JPMs to be run concurrently, then validate the concurrently run JPMs using the JPM Validation Checklist.
- 8) This completes the setup for this JPM.



INITIAL CONDITIONS

- You are the Unit 1 ANSO.
- Three days ago the 1-1705-16A, FUEL POOL RAD MONITOR was declared inoperable due to a faulty connector.
- IM's have completed repairs, and request that it be tested to verify proper operation.
- The US has granted permission to perform the testing.
- You have a key to bypass the Fuel Pool Rad Monitor

INITIATING CUE

Perform QCOP 1700-06 to verify proper operation of Fuel Pool Rad Monitor 1-1705-16A.

{When candidate acknowledges the cue, provide the candidate with the procedure QCOP 1700-06 and the bypass switch key}

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

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

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

The timeclock starts when the candidate acknowledges the initiating cue.

.IPM	Start	Time:	
OI IVI	Otall	111111	

STEP	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
F.1	Bypasses the A Fuel Pool Rad Monitor and verifies appropriate alarm lit.	Inserts key into 1-1701-313, FUEL POOL RAD MON CH A BYPASS SWITCH and positions it to BYPASS. Verifies alarm 901-3 F-2, PROC			
		RAD MON CALIB BYPASS RB FUEL POOL VENT alarm lit.			
CUE:	Tell the candidate that annunci	ator 901-3 F-2 is in alarm.			
	ATOR NOTE: The candidate shoced in the step until released in	ould hold the TRIP CHECK push step F.6.	buttor	า	
*F.2	●Depresses the trip check.●	Depresses and holds the TRIP CHECK pushbutton on the 1-1705-16A.			
F.3	Lowers Trip Check Adjust knob.	At power supply 1-1705-7A, turns the TRIP CHECK ADJUST knob fully counterclockwise.			
	ue to full scale. Either is accepta	date may stop after reaching 100 able. The high lamp will NOT lig		_	
*F.4	•Checks the high trip setpoint.•	At power supply 1-1705-7A, turns the TRIP CHECK ADJUST knob clockwise until the HIGH lamp is lit on the 1-1705-16A.			
*F.4	•Recognizes failure to trip.•	Recognizes high trip light was not received at less than 100 mr/hr.			

STEP	<u>ELEMENT</u>	<u>STANDARD</u>		UNSAT	Comment Number			
CUE:	IF the candidate reports the failure to trip to the US, respond. "I understand(repeat back what was reported). "Complete the procedure. I will have another Operator write the IR."							
		y skip the following step since t ble. This should not constitute a			has			
F.5	Checks low trip setpoint.	At power supply 1-1705-7A, turns the TRIP CHECK ADJUST knob counterclockwise until the LOW lamp is lit on the 1-1705-16A and verifies receipt of alarm 901-3 C-16, FUEL POOL CHANNEL A DOWNSCALE.						
CUE:	Tell the candidate that annunci	ator 901-3 C-16 is in alarm.						
F.6	Resets the trip unit.	Releases the TRIP CHECK pushbutton and depresses RESET on the 1-1705-16A.						
F.7	Verifies trip lights clear.	Verifies HIGH and LOW lamps not lit on the 1-1705-16A.						
F.8	Verifies alarms clear.	At panel 901-3, verifies alarm C-16 not lit.						
CUE:	Tell the candidate that annunci	ator 901-3 C-16 is clear.						
F.9	Takes the A Fuel Pool Rad Monitor out of bypass and verifies alarm clear.	Places the 1-1701-312, FUEL POOL RAD MON CH A BYPASS SWITCH to NORM. Verifies alarm 901-3 F-2 not lit.						
CUE:	Tell the candidate that annunci	ator 901-3 F-2 is clear.						
F.11	Returns key to Work Execution Center.	Gives key to examiner.						
EVALU	ATOR: The candidate should in	form you that the task is comple	ete.					

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JPM Stop Time:			

JPM SUMMARY

Operator's Nam	ne:		Job Tit	le:□EO □R0	D □SRO □ FS
				☐ STA/IA	☐ SRO Cert
JPM Title:	Perform P	ost Maintenance Te	st of the Fue	I Pool Radiation	Monitor
JPM Number:	2014 ILT	NRC JPM g		Revision Numb	oer: <u>00</u>
Task Number and Title: SR-1700-K16 STATE the physical location and DESCRIBE the operation of the following Process Radiation Monitoring System controls: Reactor Building Vent / Fuel Pool Radiation Monitors (1) Bypass keylock switches (2) Trip check and Reset pushbuttons (3) Trip check adjust knob (4) Power supply On/Off switch (5) RB vent isolation damper reset switch (local 2251(2)-24X) (CR 912-1)					
K/A Number and	l Importanc	e: K/A: 272000.	A1.02	Ratin	ı g: 2.9/2.9
, ,	NITORING	nitor changes in para SYSTEM controls ir e testing		•	•
Suggested Testi	ng Environ	ment: Simulator			
Alternate Path: [⊒Yes ⊠	No SRO Only: 🗌`	Yes ⊠No	Time Critical:	□Yes ⊠No
Reference(s): C	COP 1700	-06, Rev. 7, Fuel Po	ol Radiation	Monitors	
Actual Testing	Environme	ent: ⊠ Simulator	☐ Control F	Room 🗌 In-Pla	ant 🗌 Other
Testing Method	l: 🗌 Sim	ulate 🛛 Perform			
Estimated Time	to Complet	e: <u>10</u> minutes	Actual T	ime Used:	_ minutes
EVALUATION S Were all the Critical		its performed satisfa	ctorily?	□Yes	□No
		was evaluated agai nd has been determi			☐ Unsatisfactory

Comments:		
Evaluator's Name:	(Print)	
Evaluator's Signature:	Date:	
[If this page is an odd numbered page, a blank page is automatithis page]	cally generated after this page to keep the student cue sheet sepa	arate from

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