Review the MODE 5 Shiftly/Daily Surveillances

Job Position(s): ☐ RO ☒ SRO

Source: ☒ New ☐ Bank ☐ Modified _____ (Facility ID No. for Bank or Modified)

K/A Reference: 2.1.40, Knowledge refueling administrative requirements.

Method of testing: ☐ Simulated/Walk-thru Performance [Classroom/Plant]

☒ Actual Performance [Simulator/Lab]

Type: (Check all that apply)

☒ Administrative Topics ☐ Control Room Systems ☐ In-Plant Systems

☐ Alternate Path ☐ Emergency/Abnormal ☐ ESF

☐ Low-Power/Shutdown ☐ Time Critical

Task Standard: For successful completion, the applicant must identify the errors in steps 4.0, 7.0, AND 15.0; AND initiate corrective action as necessary.

Validation Time: 30 minutes

Simulator Setup: TBD

Required Materials:

Marked up copy of completed 24.000.03, Mode 5 Shiftly, Daily, and Weekly Surveillances – ATTACHMENT 1 with the following errors:

- Step 4.0 – Step 4.0b completed instead of 4.0a
- Step 7.0 – SRM Channels B and D (quadrants adjacent to where core alts are being performed) readings recorded as < 3.0 cps, signal-to-noise ratio steps not completed, and channel check marked as SAT
- Step 12.0 – Completed with data.
- Step 15 – Incorrect correction factor inserted and used.

Map of the core showing the current fuel loading status.

Completed 24.000.01 Attachment 37 packages for SRM B and D

Copy of 24.000.03 Enclosure B, “Secondary Containment Differential Pressure Correction Tables”

General References:

24.000.03, Mode 5 Shiftly, Daily, and Weekly Surveillances

Initial Conditions:

The plant is in MODE 5, with Core Alterations in progress.
You are the on shift CRS

Initiating Cue:

Review the completed 24.000.03, Mode 5 Shiftly, Daily, and Weekly Surveillances for completeness and accuracy.

Performance Information

Critical Steps are annotated by "**c"** and italicized text.

	ELEMENTS	STANDARDS
NOTE:	For successful completion, the applicant must identify the errors in steps 4.0, 7.0, AND 15.0.	
c	*Reviews the provided surveillance package for acceptability, accuracy and completeness of package.*	*Step 4.0 – Indentifies that 4.0a should have been completed instead of 4.0b*
c		*Step 7.0 – Identifies that signal-to-noise ratio needs to be determined for SRM Channels B and D (quadrants adjacent to where core alts are being performed) and initiates action to perform 24.000.01 Attachment 37 for both SRM B and D.*
	EVALUATOR PROMPT: Once the applicant has initiated action to perform 24.000.01 Attachment 37, provide the completed 24.000.01 packages the associated SRM channels.	
		Step 8.0 based on data provided in completed 24.000.01, recognizes that SRM D (quadrant adjacent to where core alts are being performed) is operable and that acceptance criteria are in fact satisfied.
		Step 9.0 – Identifies that highest and lowest readings are not circled in red.
		Step 12.0 – Identifies that step should **not** have been completed (Suppression Pool Level > 66")
c		*Step 15.0 – Identifies that incorrect correction factor was applied but that data is still acceptable.*
	EVALUATOR NOTE: The dT acceptance criteria for step 16 should read > -3°C and < 5°C	

Terminating cue: Terminate JPM when applicant reports that review is complete, **OR** the examiner is allowed the discretion to terminate the JPM when the applicant has identified to the examiner each of the above items.

EXAMINEE CUE SHEET

Initial Conditions:

The plant is in MODE 5, with Core Alterations in progress.
You are the on shift CRS

Initiating Cue:

Review the completed 24.000.03, Mode 5 Shiftly, Daily, and Weekly Surveillances for completeness and accuracy.