Determine Availability of RPV Level Instruments

Job Position(s): ☒ RO ☒ SRO

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

K/A Reference: 2.1.45

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:

Validation Time:

Simulator Setup: NONE

Required Materials:

EOP Flow Charts

29.ESP.01, Supplemental Information

General References:

EOP Flow Charts

29.ESP.01, Supplemental Information

Initial Conditions:

There is an unisolable steam leak in the Reactor Building

The process computer is not available

Initiating Cue:

Determine the availability of the RPV level instruments and report to me.

Performance Information

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

	ELEMENTS	STANDARDS
1.	Refers to EOP 29.100.01 Sheet 6, Curves Cautions and Tables and 29.ESP.01, Supplemental Information	Obtains and refers to EOPs 29.100.01 and 29.ESP.01.

EVALUATOR PROMPT

As the applicant identifies or describes location of each of the following instruments, provide the following temperature values:

Third Floor

T41DT2405, H2 Recombiner Area (General Area Temperature) 200°F

T41DT2406, H2 Recombiner Area (General Area Temperature) 198°F

Second Floor

T41DT2398, NW EECW Area (General Area Temperature) 180°F

T41DT2399, SW EECW Area (General Area Temperature) 185°F

c	2.	Determines Reactor Building Temperatures in vicinity of level instrument reference leg vertical runs.	Locates and obtains temperature values for Reactor Building second and third floor general areas.
c	3.	Using the Reactor Building temperature data and the tables in EOPs 29.100.01 (Sh. 6) or 29.ESP.01, determines Minimum Indicated Level for each RPV level instrument.	Determines Minimum Indicated Level for each RPV level instrument.

ELEMENTS	STANDARDS

EVALUATOR PROMPT

As the applicant identifies or describes location of each of the following instruments, provide the following values:\

Narrow Range Level indicators (all channels) Downscale

Floodup Level indicator Downscale

Wide Range Level Indicators:

B21-N081A	20”	B21-N081B	21”
B21-N081C	19”	B21-N081D	22”
B21-N091A	19”	B21-N091B	18”
B21-N091C	20”	B21-N091D	20”

Core Level Indicators

B21-N085A	25”	B21N085B	23”

c	4.	Compares indicated levels on each RPV level channel with the Minimum Indicated Level for that channel and determines that the following RPV level instrument channels are available for use: Wide Range Level channels: B21-N081A, B, and D B21-N091C and D Core Level channels: B21-N085A and B	Determines that the following RPV level instrument channels are available for use: Wide Range Level channels: B21-N081A, B, and D B21-N091C and D Core Level channels: B21-N085A and B

Terminating cue: Terminate JPM when applicant reports available instruments to CRS.

EXAMINEE CUE SHEET

Initial Conditions:

There is an unisolable steam leak in the Reactor Building

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Initiating Cue:

Determine the availability of the RPV level instruments and report to me.