

## SummerRAIsPEm Resource

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**From:** McGovern, Denise  
**Sent:** Wednesday, May 06, 2015 3:16 PM  
**To:** SummerRAIsPEm Resource  
**Subject:** Request for VCSNS 2 and 3 Commission-approved Simulator May 7, 2015 Meeting Materials  
**Attachments:** Request for Summer Commission-approved Simulator May 7 Meeting Materials.pdf

**Hearing Identifier:** Summer\_COL\_eRAIs  
**Email Number:** 116

**Mail Envelope Properties** (2BE05B77CE8C0F4B976DC472236ABD34267346006E)

**Subject:** Request for VCSNS 2 and 3 Commission-approved Simulator May 7, 2015  
Meeting Materials  
**Sent Date:** 5/6/2015 3:16:27 PM  
**Received Date:** 5/6/2015 3:16:29 PM  
**From:** McGovern, Denise

**Created By:** Denise.McGovern@nrc.gov

**Recipients:**  
"SummerRAIsPEm Resource" <SummerRAIsPEm.Resource@nrc.gov>  
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<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3	5/6/2015 3:16:29 PM
Request for Summer Commission-approved Simulator May 7 Meeting Materials.pdf		
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**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
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### Example for discussion

10 CFR 55.45(a)(1): Perform pre-startup procedures for the facility, including operating of those controls associated with plant equipment that could affect reactivity.

Deficiency No.	Deficiency Description.	Significant	Basis
VC-TO-53	During startup the IR excore detectors do not match the PMS division. [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] ]a,c	No	Multiple redundant indications exist. The accuracy provided is appropriate for monitoring being accomplished and Delta in readings is not sufficient to trigger a component failure assessment which would add undesired complexity/distractions to the exam scenario.
VC-TO-55	Prompt jump does not occur immediately upon rod withdrawal/insertion	Yes	Creates a false indication associated with reactivity manipulations. Potential negative training an important parameter.
VC-TO-56 <i>Added based on your assessment</i>	Turbine Control valves are open [REDACTED] ]a,c looking at the signal diagrams, but indicating [REDACTED] ]a,c on graphic [REDACTED] ]a,c. OPS should not be forced into a signal diagram to get a value needed for any procedure.	Yes	Knowledge of CV position is necessary early in E-0 (RNO step) to ensure the Main Turbine is tripped if all the MSVs are not closed and for shell and chest warming activities.
VC-TO-74 VC-TO-90 <i>Added based on your assessment</i>	During GOP-107 while performing a plant heatup, pZR level increases as expected, letdown flow initiates on correct setpoint, however flow rate is limited based on purification loop return flow. Heat up rate is limited.	No	Does not affect operator decision making. Only extends the time required to complete a scenario.
VC-TO-103	Rod withdrawal button un-highlights during continuous operation	No	Other more direct confirmation of rod withdrawal exists. Condition can be managed as an equip deficiency without challenging operator decision making.

VC-1411-15	Source range counts rise in increments of [REDACTED] <sub>a,c</sub>	Yes	Introduces potential unaccounted for failure mode that operator must respond to in addition to planned exam scenario
VC-1411-09	Inconsistent non-urgent failure alarms on loss of ES-1	Yes	Could force exam scenario into undesired sequence and trigger component failure assessment(s) and/or operator responses which would add undesired complexity/distractions to the exam scenario.
VC-1503-24	Frequent invalid yellow path on sub-criticality safety function	Yes	Defeats purpose of safety function alarm (high awareness and potential necessary response to safety function challenges)
VC-1503-26	ICRR (1/M) NAP failed to deliver expected results while performing reactor startup. Results did not help predict criticality.	No	1/M can be performed manually if needed.
VC-1503-27	NAP for ICRR is confusing and does not seem to work for Boron Dilution as it only display out to [REDACTED] <sub>a,c</sub>	No	1/M can be performed manually if needed
VC-1503-30	[REDACTED] <sub>a,c</sub> post reactor trip, a positive startup rate was observed, subsequently returning to normal	Yes	Could force exam scenario into undesired sequence and trigger component failure assessment(s) and/or operator responses which would add undesired complexity/distractions to the exam scenario.
VC-1504-06 (Not on docketed list)	Alarm setpoint of the rod insertion limit for bank M2	??	??

Comments:

1. Green highlight = We agree these are not significant deficiencies. We determined that they do not challenge any of the 55.45 criteria.
2. The staff believes the other deficiencies marked as "Yes" in the significant column could challenge CFR 55.45.a.1. Additional detail is needed to explain why they do not.
3. Deficiencies were added and subtracted to reflect page 43 of your assessment.

SDR items which have been screened out of aggregate impact assessment based on "Enhancement" classification

Tracking # (TO - Turnover, VC-yr prior to OPS TO, VC-mo/yr for PI)	Summary	Detailed Description	SYSTEM	BUCKET	Status	Category	RITs # (leave BLANK until checked, NA if none)	Priority
VC-TO-41	RCS 1-hr Heatup Not on Graphic	<p>                     [redacted]<sup>jac</sup> "HC for RCS Temperature" is not on any Ovation Graphic. OPS would like it added to [redacted]<sup>jac</sup>. This indication is operationally significant in that operators could potentially violate Technical Specification Heat Up Rate (HUR) limits.                 </p> <p>                     [redacted]<sup>jac</sup> Turbine Trip Failure, has "future" information in the Cause and Effect info. "In More Current Baselines"... [redacted]<sup>jac</sup> </p>	DDS	ENHANCEMENT	Open	Enhancement	NA	Low
VC-TO-96	TOS02 MALF Response	<p>                     [redacted]<sup>jac</sup> Potentially disrupts operational analysis, decision making and action                 </p> <p>                     User Defined Alarm Limits do not clear on RESET of an IC. They stay at whatever value an operator has placed them in a previous training session. The event is not captured in any "action" log so it will be very difficult for an instructor to keep track of which limits are changed and restore them to default. (and limiting on students if it is not allowed). Possible challenge to exam security as well as potentially disrupting operational analysis, decision making and action                 </p>	STS	ENHANCEMENT	Open	Enhancement	NA	Low
VC-TO-97	User Defined Alarm Limits	<p>                     User Defined Alarm Limits do not clear on RESET of an IC. They stay at whatever value an operator has placed them in a previous training session. The event is not captured in any "action" log so it will be very difficult for an instructor to keep track of which limits are changed and restore them to default. (and limiting on students if it is not allowed). Possible challenge to exam security as well as potentially disrupting operational analysis, decision making and action                 </p>	STS	ENHANCEMENT	Open	Enhancement	NA	Normal