



NRC Lessons Learned from WEC Scrubber Event

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This information is available on the NRC Public Website: <https://www.nrc.gov/materials/fuel-cycle-fac/regs-guides-comm.html#cumeffects> The lessons learned actions are focused on 5 internal areas. The goal is improved effectiveness and increased efficiency.

- License review
- Inspection program
- Operating experience program
- Roles and responsibilities
- Knowledge management

License Review Process

Westinghouse Lessons Learned Action Plan Items																						
<i>High Priority Items</i>	<i>Revised</i>	2017					2018					Comments										
		May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb		Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Develop guidance for examining the technical justification for accident sequences designated as low risk Lead: Donnie Harrison	06/05/2017																					Potential revision to NUREG 1520

Contact:
Donnie Harrison
NMSS/FCSE
301-415-5252

Key Information	<p>Develop guidance for:</p> <ul style="list-style-type: none"> performing thorough vertical slice reviews in addition to horizontal reviews, determining the risk significance of a system for facilities that do not use a quantitative risk index method, the level of review low risk systems should receive, especially those systems in which the basis for the determination relies heavily on an assumption, review of underlying assumptions or technical justification of frequencies for qualifications of “low risk” criterion, such as accident sequences with low frequency and intermediate or high consequences.
Status	<ul style="list-style-type: none"> This new guidance will be covered in NUREG-1520 and/or the American Nuclear Society (ANS) standard on the performance of ISA The evaluation has been performed and recommendations are in the final stages prior to a decision on action with implementation schedule to follow.

Inspection Program

Westinghouse Lessons Learned Action Plan Items																						
<i>High Priority Items</i>	<i>Revised</i>	2017										2018				Comments						
		May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June		July	Aug	Sept	Oct	Nov	Dec
Revise inspection program to modify scope and focus of inspections such that processes with potential for high or intermediate consequences are inspected within specified time Lead: Jeremy Munson	06/05/2017															Revisions to IMC 2600 and ROI 2211						

Key Information	<p>The Goal is earlier identification of weaknesses in facility operations and programs through improved effectiveness and focus of inspection resources.</p> <ul style="list-style-type: none"> Determine an appropriate periodicity for inspection of systems and processes with the potential for intermediate or high consequences. Develop a method of planning and tracking these items.
Status	<ul style="list-style-type: none"> Developing test matrices to ensure that all systems and processes with the potential for high or intermediate consequence are inspected at least once in a specific timeframe.

Contact:
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Knowledge Management

Westinghouse Lessons Learned Action Plan Items																						
<i>High Priority Items</i>	<i>Revised</i>	2017										2018										Comments
		May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Revise qualification programs to ensure staff has knowledge base to challenge licensees' assumptions Lead: Rick Jervey and Jenny Fisher	06/05/2017																					IMC 1246 and IMC 1247 are under internal review. Revisions to be published 4Q17.

Contact:
 Rick Jervey/Jenny Fisher
 NMSS/FCSE/PORSB
 301-415-6201 (Rick)
 301/415-1456 (Jenny)

Key Information	<ul style="list-style-type: none"> • Include in the qualification program training on critical thinking, effective communication and conflict resolution. • Determine if other changes in the training program should be made based on results of the WEC-LL. • Incorporate changes into draft revisions of IMC1246 and IMC1247.
Status	Qualification programs are being revised and are expected to be completed by the end of the year.

Knowledge Management

Westinghouse Lessons Learned Action Plan Items																							
High Priority Items	Revised	2017										2018										Comments	
		May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec		
Revise guidance and training on use of ISA Summary Updates and development of safety evaluations Lead: Matt Bartlett	06/05/2017																					Drafted changes to License Reviewer Handbook	

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 Matt Bartlett
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Key Information	<ul style="list-style-type: none"> Develop guidance for use of information contained in ISA summary updates to inform license amendment reviews. Develop guidance that describes preparation of the licensing documentation in a manner that supports the inspector's ability to conduct inspections and enforcement.
Status	<ul style="list-style-type: none"> Changes were drafted within the Licensing Reviewer Handbook. Proposed guidance is being reviewed and evaluated by management.

Roles and Responsibilities

Key Information	<ul style="list-style-type: none">• Clarify the role of HQ and RII staff .• Evaluate and determine where changes should occur.• Make appropriate changes to guidance documents such as LRHB
Status	The roles and responsibilities actions are being evaluated.

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