

## Action Plan for Incorporating Risk-Informed Decision-Making in Licensing Reviews Office of Nuclear Reactor Regulation

ADAMS Accession No. ML17219A367

Revision Date: August 31, 2017

<b>TASK 1: EXPANDED USE OF LICENSE REVIEW TEAMS</b>				
<b>ACTION</b>	<b>ACTIVITIES</b>	<b>RESPONSIBILITY</b>	<b>MILESTONE/STATUS</b>	<b>COMMENTS</b>
Establish Team	Identify team membership.	DORL	Due August 2017.	Kathy Brock is the SES Champion. Mike Markley (NRR/DORL/BC) is the team lead for this activity. Team Members: Audrey Klett, Mike Wentzel, Ed Miller.
	Evaluate need for a facilitator to lead the coordination of specialties.	DORL		
Clarification/ET Alignment on Tasking	The team will initially meet to ensure an understanding of the task and to identify any questions for the ET.	DORL	Due August 2017	
	The team will meet with the ET to align on tasking.	DORL		
Information Collection	Leverage paradigm from Risk-Informed Thinking Workshops.	DORL	Due November 2017	

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<b>ACTION</b>	<b>ACTIVITIES</b>	<b>RESPONSIBILITY</b>	<b>MILESTONE/STATUS</b>	<b>COMMENTS</b>
	Interview staff with experience in processing risk-informed licensing actions.	DORL		
	Identify spectrum of LARs and levels of risk information licensees might provide.	DORL		<ul style="list-style-type: none"> <li>• 1st of kind risk-informed</li> <li>• risk info provided but not risk-informed;</li> <li>• not risk-informed, but info is available elsewhere</li> </ul>
	Identify examples of amendments for lessons learned.	DORL		<ul style="list-style-type: none"> <li>• Vogtle TSTF-505 et al</li> <li>• 50.69s,</li> <li>• TSTF-542,</li> <li>• TSTF-545;</li> <li>• TMRE;</li> <li>• NFPA-805 – lead DORL PM &amp; Tech staff PM</li> </ul>
	Identify guidance and workload management processes and tools that could be enhanced or revised.	DORL		<ul style="list-style-type: none"> <li>• LIC-101,</li> <li>• LIC-109,</li> <li>• LIC-504</li> </ul>
	Identify progress made with Tasks 2 through 5.	DORL		
Information Analysis and Evaluation	Evaluate guidance and example amendments.	DORL	Due January 2018	
	Develop attributes for LAR review team membership, attributes, knowledge, skills, and abilities.	DORL		
	Evaluate impact on acceptance review milestones and metrics.			



<b>TASK 2: DEFINITION OF RISK</b>				
<b>ACTION</b>	<b>ACTIVITIES</b>	<b>RESPONSIBILITY</b>	<b>MILESTONE/STATUS</b>	<b>COMMENTS</b>
Establish Team	Identify team membership.	DE/DORL	Due August 2017	MJ Ross-Lee is the SES Champion. Team members will include both technical staff and licensing staff:
Clarification/ET Alignment on Tasking	The team will initially meet to ensure an understanding of the task and to identify any questions for the ET.	DE	Due August 2017	
	The team, with the rest of the risk task teams, will meet with the ET to align.	DE		
Information Collection	Identify existing guidance with similar purposes.	DE	Due November 2017	
	Interview staff involved in using risk in decision making for ideas on broadening definition.	DE		
	Interview members of NRR leadership team.	DE		
Information Analysis and Evaluation	Review results of interviews.	DE	Due January 2018	
	Evaluate suggestions and develop ways to implement.	DE		



<b>TASK 3: GRADED APPROACH FOR USING RISK INFORMATION</b>				
<b>ACTION</b>	<b>ACTIVITIES</b>	<b>RESPONSIBILITY</b>	<b>MILESTONE/STATUS</b>	<b>COMMENTS</b>
Establish Team	Identify team membership.	DRA/DORL	Due August 2017	Russ Felts is the team lead for this activity. DRA has the lead for this task with DORL supporting.
Clarification/ET Alignment on Tasking	The team will initially meet to ensure an understanding of the task and to identify any questions for the ET.	DRA/DORL	Due August 2017	
	The team, with the rest of the risk task teams, will meet with the ET to align.	DRA/DORL		
Information Collection	Identify existing guidance with similar purposes.	DRA/DORL	Due November 2017	
	Interview staff involved in using risk in decision making for licensing reviews.	DRA/DORL		
	Interview members of NRR leadership team.	DRA/DORL		
Information Analysis and Evaluation	Review results of interviews.	DRA/DORL	Due January 2018	
	Evaluate suggestions and develop ways to implement.	DRA/DORL		
	Evaluate other guidance.	DRA/DORL		
	Evaluate RIDM direction.	DRA/DORL		



<b>TASK 4: REVIEW BTP 8-8</b>				
<b>ACTION</b>	<b>ACTIVITIES</b>	<b>RESPONSIBILITY</b>	<b>MILESTONE/STATUS</b>	<b>COMMENTS</b>
Establish Team	DE will create a team consisting of DE, DSS, and DRA staff.	DE/D	Complete (August 2017)	Lead: John Lubinski. Members: Fanta Sacko (EENB), Hari Kodali (DE/EEOB), Pete Snyder (DSS/TS), Mike Levine (DRA)
Clarification/ET Alignment on Tasking	The team will initially meet to ensure an understanding of the task and to identify any questions for the ET.	DE	Due August 2017	
	The team will meet with the ET to align on tasking.	DE		
Information Collection	Identify guidance with similar purposes and requirements	DE	Due November 2017	
	Interview staff involved in BTP and guidance development and implementation	DE		
	Interview members of NRR leadership team	DE		
Information Analysis and Evaluation	Review DPO package	DE	Due January 2018	
	Evaluate BTP 8-8 and a sample of reviews performed iaw BTP 8-8	DE		
	Evaluate other guidance and similar reviews	DE		
	Interview applicants	DE		
Communication, Coordination, and Feedback from Stakeholders	Develop preliminary insights, observations, and recommendations	DE	Due February 2018	



<b>TASK 4: REVIEW BTP 8-8</b>				
<b>ACTION</b>	<b>ACTIVITIES</b>	<b>RESPONSIBILITY</b>	<b>MILESTONE/STATUS</b>	<b>COMMENTS</b>
	If appropriate, provide a redline version of recommended changes to BTP 8-8	DE		
	Include recommendations for revisions to similar guidance documents	DE		
	Share preliminary insights and obtain feedback from staff and LT	DE		
	Engage the OGC on any legal issues	DE		
Report on findings and recommendations	Develop draft report on findings and report out to the ET	DORL/DE	Due March 2018	
	Issue final report to the ET	DORL		
	If appropriate, provide a redline version of recommended changes to BTP 8-8	DE		

<b>TASK 5: EVALUATION OF DPO PANEL REPORT RECOMMENDATIONS 5 AND 6</b>				
<b>ACTION</b>	<b>ACTIVITIES</b>	<b>RESPONSIBILITY</b>	<b>MILESTONE/STATUS</b>	<b>COMMENTS</b>
Establish Team	Identify team membership	DORL	Due August 2017	DORL is the lead for this activity.
Clarification/ET Alignment on Tasking	DORL staff will initially meet to ensure an understanding of the task and to identify any questions for the ET.	DORL	Due August 2017	
	The staff will meet with the ET to align on tasking.	DORL		
Information Collection	DORL staff will acquire and compare lessons learned from precedents for first-of-a-kind reviews and routine licensing actions.	DORL	Due November 2017	
Information Analysis and Evaluation	DORL will review the lessons learned and develop criteria.	DORL	Due January 2018	
	DORL will then evaluate how to document and communicate the criteria.	DORL		
Communication, Coordination, and Feedback from Stakeholders	Develop preliminary insights, observations, and recommendations	DORL	Due February 2018	
Report on findings and recommendations	Develop draft report on findings and report out to the ET	DORL	Due March 2018	
	Develop final report for the ET	DORL		

