

Enclosure 5
Regulatory Guide (RG) 1.174, Revision 3 Public
Risk-Informed Steering Committee Meeting
Meeting Summary of 8/11/2016
NRC/Industry Risk-Informed Steering
Committee

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Regulatory Guide (RG) 1.174, Revision 3 Public Risk-Informed Steering Committee Meeting

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Presentation Overview

- Background
- Status update
- Beyond-scope items raised by industry
- Path forward

RG 1.174, Rev. 3 – Background

- SRM-SECY-11-0014: Revise RG 1.174, “...using precise language to assure the defense-in-depth philosophy is interpreted and implemented consistently...”
- Current scope:
 - Revise defense-in-depth (DID) guidance in DG-1285, DG-1286, DG-1287, and DG-1288
 - Develop language on transitioning from large release frequency and conditional containment failure probability to large early release frequency for new reactors (SRM-SECY-10-0121; SRM-SECY-12-0081 Options 2C)
 - Develop language on containment performance expectations for new reactors (SRM-SECY-12-0081 Options 2C)

RG 1.174, Rev. 3 – Status Update

- Overall interactions with industry have been productive:
 - Three public meetings held; NRC has been sharing works in progress
 - Received specific feedback on DID evaluation factors and good discussions on industry-provided examples
- Recent industry feedback:
 - Revised guidance is moving in the right direction
 - Need to harmonize DID guidance in RG 1.174 and other internal NRC DID implementation guidance
 - Concerned with interpretation of relative terms
 - Need to distinguish between licensing actions for temporary and permanent changes
- Latest draft revision of DID guidance (ML16209A221) and draft language on the types of licensee-initiated changes (ML16209A220) made publicly available on 7/27/16

RG 1.174, Rev. 3 – Beyond-Scope Items Raised by Industry

- Clarify guidance on how to evaluate all five principles of the risk-informed decisionmaking (RIDM) process as opposed to only the DID principle
 - Industry to provide example on RIDM process
- Develop or endorse guidance on risk aggregation
- Enhance existing language to further emphasize the “fuzzy” v. bright-line nature of the acceptance guidelines
- Adopt relevant and useful language from the SRP
- Create a stronger tie to NUREG-1855, “Guidance on the Treatment of Uncertainties Associated with PRAs in Risk-Informed Decisionmaking”

RG 1.174, Rev. 3 – Beyond-Scope Items Raised by Industry (cont')

- Addressing the beyond-scope items in RG 1.174, Revision 3, would significantly extend the current schedule by several months
- Scope change would require Commission consent for an extension to the SRM delivery date

RG 1.174, Rev. 3 – Path Forward

- RG 1.174 Working Group (WG) is evaluating stakeholder comments to determine if additional changes are warranted for the DID evaluation factors in DG-1285
- Public meeting scheduled for 9/1/16* to discuss the industry-proposed example
 - WG to review industry-proposed example(s)
 - Internal stakeholders to also be solicited for input
- WG to brief RISC on industry-proposed changes

* <http://meetings.nrc.gov/pmns/mtg?do=details&Code=20161061>
