

Cumulative Effects of Regulation and Risk Prioritization Initiative

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Basic Principle

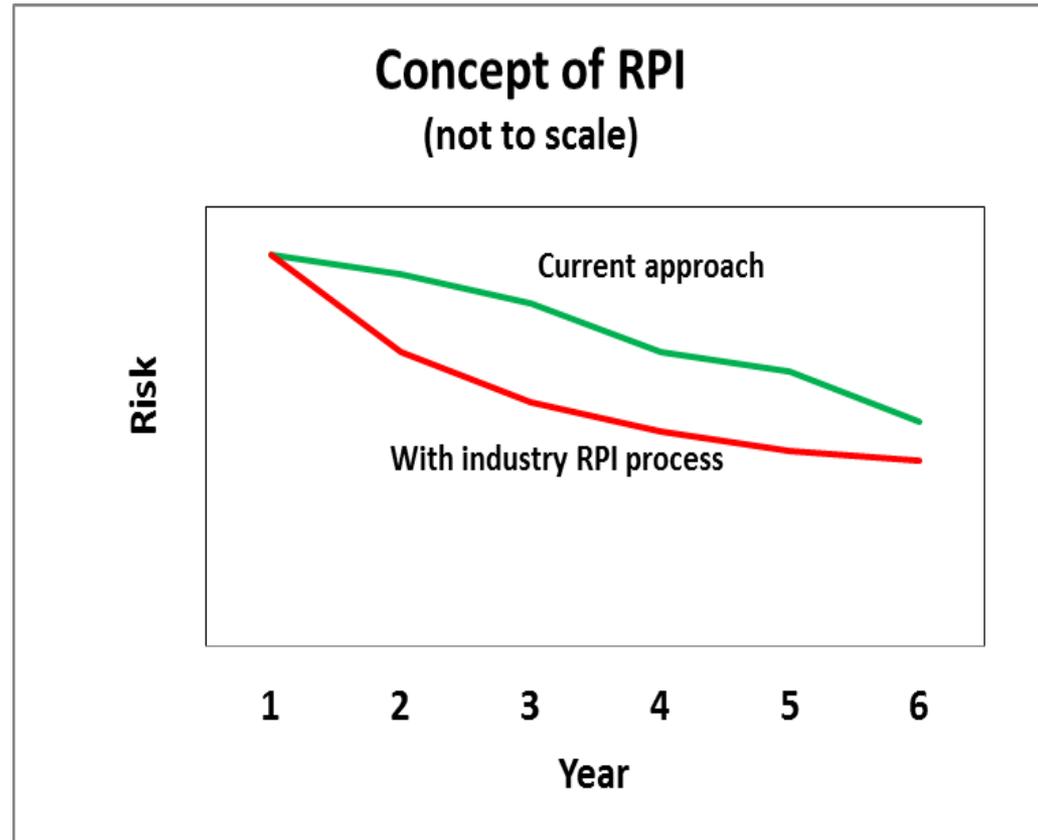
“Nuclear safety is advanced when licensees and the staff focus their time, attention, and resources on the issues of greater safety significance at each plant”

(COMGEA-12-0001/COMWDM-12-0002)

- The risk-informed prioritization method will enable operating plants to prioritize and schedule plant activities on the basis of their importance to plant safety
- The prioritization framework can be adapted by NRC to improve the management of emerging regulatory issues

Value Proposition of Prioritization

- Prioritization and associated scheduling actions allows plants to implement sooner key plant improvements that have been deferred due to competing regulatory priorities
- Results in faster safety improvements



Site-specific Prioritization

- Site-specific prioritization is a fundamental component of actions to address CER
- Enables activities with greatest impact on plant safety to be implemented first
- Value of process was demonstrated during pilot
 - Generic assessment highlights key attributes that impact importance determinations
 - Site-specific evaluation enables unique plant attributes to be taken into account
 - Evaluation of five importance attributes (Safety, Security, Emergency Preparedness, Radiological Protection and Equipment Reliability)

Prioritization of Emerging Issues

- Importance characterization at a generic level was demonstrated during the industry pilot
 - Process utilizes a panel of industry experts to obtain characterizations of importance
 - Provides an overall assessment and identifies important attributes for consideration in the plant-specific evaluation
- Formation of NRC expert panel to make recommendations on proposed regulatory actions is an important step in efforts to address CER
 - Provides capability to efficiently and effectively characterize importance and identify key attributes
 - Supports efficient and safety-focused use of NRC and industry resources

Next Steps

- Endorsement of industry prioritization guidance will facilitate industry-wide implementation
- Prioritization of emerging generic issues and rulemakings by NRC expert panel is fully consistent and supportive of Project Aim 2020 objectives
- Establishment of plant-specific implementation schedules for new rules is natural extension of prioritization process
- Expansion to address prioritization of regulatory actions for other business lines should be pursued