



# Impacts to Staff and Industry From the Revised Rule to 10 CFR Part 51

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# Agenda

- Background on Part 51 Rulemaking
- Summary of Changes
- Actions Going Forward
- Conclusion

# Background

## Basis and Current Status

- Rule revision basis - Table B–1 in Appendix B to Subpart A of Part 51
  - 10-year cycle to review of Appendix B, “Generic Environmental Impact Statement for License Renewal of Nuclear Plants” (GEIS) is the technical basis
- December 6, 2012 – NRC approved amendments to 10 CFR Part 51
- Currently under final publication process, estimate publication mid-summer 2013
- Compliance Date - 1 year after publication of the final rule in the *Federal Register*

# Background

## Rule Revision Accomplishments

- Incorporate lessons learned and knowledge gained from completed plant-specific environmental reviews
- Incorporate changes to laws, executive orders, and other government-wide environmental practices since 1996
- Reorganize environmental issues for clarity
- Redefine the number and scope of the environmental impact issues

# Background

## Revised Guidance Documents

- NUREG–1437, Volumes 1 and 2, Rev. 1
  - “Generic Environmental Impact Statement for License Renewal of Nuclear Plants,” (GEIS)
- Regulatory Guide 4.2, Supplement 1, Rev. 1
  - “Preparation of Environmental Reports for Nuclear Power Plant License Renewal Applications,” (RG 4.2)
  - Industry guidance for preparing Environmental Report (ER)
- NUREG–1555, Supplement 1, Rev. 1
  - “Standard Review Plans for Environmental Reviews for Nuclear Power Plants, Supplement 1: Operating License Renewal,” (ESRP)
  - Staff guidance for conducting environmental review

# Summary of Changes

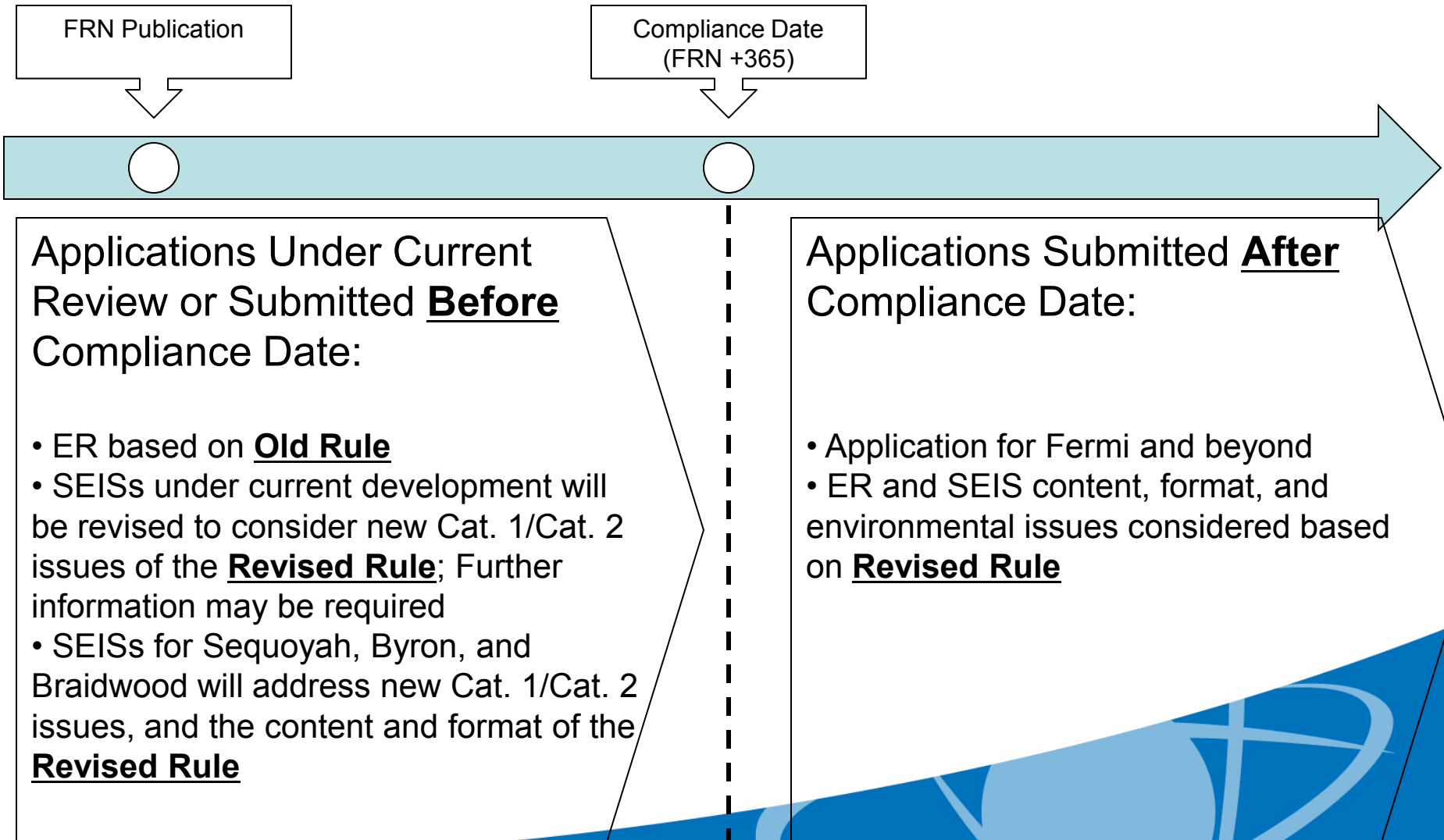
## Table B-1 Issues

New Cat. 1		New or Expanded Cat. 2
	Former Cat. 2	
Geology and soils	Offsite land use	Radionuclides released to groundwater
Dredging on water quality	Air quality	Cumulative impacts
Groundwater use and quality	Public service (several issues)	Environmental justice
Exposure of terrestrial organisms to radionuclides	Population and housing	Effects on Terrestrial (expanded)
Exposure of aquatic organisms to radionuclides	<div> <p><b>Revised Rule Issues:</b></p> <ul style="list-style-type: none"> <li>• 78 Total (59 Cat. I, 19 Cat. II, 2 Uncategorized)</li> <li>• 9 New Cat. I</li> <li>• 3 New Cat. II</li> <li>• 4 Cat. II now Cat. I</li> <li>• 40 Issues combined into 17</li> <li>• Several titles revised</li> </ul> </div>	
Dredging on aquatic organisms		
Transmission line right-of-way management on aquatic resources		
Physical occupational hazards		
Human health impact from chemicals		

# Summary of Changes

- Address the June 8, 2012, ruling by the U.S. Court of Appeals, which vacated the NRC's Waste Confidence Decision Rule, 10 CFR 51.23
- NRC to not issue any renewed license prior to the resolution of waste confidence related issues (new Rule)

# Actions Going Forward





# Actions Going Forward

## Applicant / Industry

- For applicants under current license renewal review, additional information may be needed
- Become familiar with:
  - Changes in content and issues of 10 CFR 51, App. B, Table B-1
  - Environmental Report Requirements in 10 CFR 51.53
  - Revised GEIS and RG 4.2

# Conclusions

- Revised Rule will affect current in-house reviews as SEISs will address new Cat. 1/Cat. 2 issues
- Applicants may be requested to provide additional information in support of the review of these new issues
- ER format and content will change to comply with the Revised Rule after the compliance date
- Revised Rule allows for a more efficient environmental review process
- Future NRC workshop will be planned on implementation of the Revised Rule