



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

May 8, 2017

MEMORANDUM TO: Brian E. Thomas, Director  
Division of Engineering  
Office of Nuclear Regulatory Research

FROM: Mary Jane Ross-Lee, Acting Director *[Signature]*  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

SUBJECT: Y020170023 - RESULTS OF PERIODIC REVIEW OF  
REGULATORY GUIDE 1.186 (CAC NO. TM3065)

This memorandum documents the U.S. Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.186, "Guidance and Examples for Identifying 10 CFR 50.2 Design Bases." As discussed in Management Directive 6.6, "Regulatory Guides," the NRC staff reviews regulatory guides approximately every 5 years to ensure that the regulatory guides continue to provide useful guidance. Documentation of the NRC staff's review is enclosed.

Based on the results of the periodic review, the staff concludes that no changes to RG 1.186 are warranted. The staff did not identify any technical or regulatory issues in the review.

Enclosure:  
Periodic Review of RG 1.86

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## Regulatory Guide Periodic Review

**Regulatory Guide Number:** 1.186

**Title:** Guidance and Examples for Identifying 10 CFR 50.2 Design Bases

**Office/division/branch:** NRR/DORL/LSPB  
**Technical Lead:** Eva Brown

**Staff Action Decided:** Reviewed with no issues identified

**1. What are the known technical or regulatory issues with the current version of the Regulatory Guide (RG)?**

Regulatory Guide (RG) 1.186, "Guidance and Examples for Identifying 10 CFR 50.2 Design Bases," published in December 2000. The RG provides a better understanding of what constitutes design bases information. The RG endorses Appendix B to Nuclear Energy Institute (NEI) 97-04, with exceptions, which focuses on guidance and examples that are acceptable to the staff for providing a clearer understanding of what constitutes design bases information.

No technical or regulatory issues were identified.

**2. What is the impact on internal and external stakeholders of not updating the RG for the known issues, in terms of anticipated numbers of licensing and inspection activities over the next several years?**

As no technical or regulatory issues were identified, there is no impact to internal or external stakeholders resulting from these activities.

**3. What is an estimate of the level of effort needed to address identified issues in terms of full-time equivalent (FTE) and contractor resources?**

As no technical or regulatory issues were identified, no resources are required.

**4. Based on the answers to the questions above, what is the staff action for this guide (Reviewed with no issues identified, Reviewed with issues identified for future consideration, Revise, or Withdraw)?**

Reviewed with no issues identified.

**5. Provide a conceptual plan and timeframe to address the issues identified during the review.**

No issues were identified during the review.

**NOTE: This review was conducted in April 2017 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.**

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DISTRIBUTION:

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LSPB R/F

Regulatory Guide Development

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RidsNrrDorl Resource

RidsNrrDorlLspb Resource

RidsNrrLAIBetts Resource

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RidsNrrMailCenter Resource

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TBoyce, RES/DE/RGGIB

MOrr, RES/DE/RGGIB

EBrown, NRR/DORL

**ADAMS Accession Nos.:** Pkg ML17045A647; YT ML17045A660; Response ML17103A206

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DATE	04/24/17	04/13/17	05/02/17	05/08/17

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