



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
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October 21, 2015

MEMORANDUM TO: Thomas H. Boyce, Chief
Regulatory Guidance and Generic Issues Branch
Division of Engineering
Office of Nuclear Regulatory Research

FROM: John P. Burke, Chief */RA/*
Structural, Geotechnical, Seismic Engineering Branch
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE
(RG) 1.136, REVISION 3

This memorandum documents the U.S. Nuclear Regulatory Commission (NRC) periodic review of regulatory guide (RG) 1.136, "Design Limits, Loading Combinations, Materials, Construction, and Testing of Concrete Containments." The RG provides guidance on loads and load combinations, design and analysis, and a method for determining the ultimate capacity of concrete containment. Revision 3 of the guide was published in March, 2007. As discussed in Management Directive 6.6, "Regulatory Guides," the NRC staff reviews RGs approximately every 5 years to ensure that the RGs continue to provide useful guidance. Documentation of the NRC staff review is enclosed.

Based on the results of the periodic review, the staff concludes that a revision to RG 1.136 Revision 3 is warranted. The revision of the guide should be started in the 2nd Quarter of Fiscal Year 2016 with the purpose of endorsing ASME B&PV Code 2013 Edition. A draft of this revision will be sent to RGGIB in Quarter 4 FY 2016, with a planned release for public comment in Quarter 1 FY 2017.

Enclosure:
As stated

CONTACT: Frederick E. Sock, RES/DE/SGSEB
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