

June 3, 2015

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

FROM: Michael D. McCoppin, Chief */RA/*  
Radiation Protection and Accident Consequences Branch  
Division of Site Safety and Environmental Analysis  
Office of New Reactors

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE 1.143,  
REVISION 2

This memorandum documents the U.S. Nuclear Regulatory Commission's (NRC) periodic review of Regulatory Guide (RG) 1.143, Revision 2, "Design Guidance for Radioactive Waste Management Systems, Structures, and Components Installed in Light-Water-Cooled Nuclear Power Plants."

The RG describes methods that NRC staff considers acceptable for complying with the NRC's regulations in the design, construction, installation, and testing the structures, systems, and components of radioactive waste management facilities in lightwater-reactor nuclear power plants. It was last revised in 2001. As discussed in Management Directive 6.6 "Regulatory Guides," the NRC staff reviews regulatory guides approximately every 5 years to ensure that the guides continue to provide useful guidance. Documentation of the staff's review is enclosed.

Based on the results of the periodic review, the staff concludes that a revision to RG 1.143 Revision 2 is warranted. The staff expects to be able to release a draft RG for public comment by Quarter 4 of 2016.

Enclosure:  
As stated

CONTACT: Edward E. Stutzcage, NRO/DSEA  
(301) 415-5345

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