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January 6, 2016

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

FROM: Thomas H. Boyce, Chief /**RA E. O'Donnell for/**  
Regulatory Guidance and Generic Issues Branch  
Division of Engineering  
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDES  
(RG) 1.40

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of regulatory guide (RG) 1.40, "Qualification of Continuous Duty Safety-Related Motors for Nuclear Power Plants." 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.

Regulatory guide 1.40 endorses Institute of Electrical and Electronics Engineers (IEEE) Std. 334-2006 "Qualification of Continuous Duty Safety-Related Motors for Nuclear Power Plants," as part of a method for complying with the regulations for qualification of safety-related continuous duty motors for nuclear power plants. Specifically, applicable regulations are in title 10 of the *Code of Federal Regulations* (10 CFR) Part 50.49, General Design Criteria (GDCs) 1, 2, 4, and 23, and Criterion III (Design Control) of 10 CFR Part 50-Appendix B. IEEE Std. 334 was last revised and issued in 2006 (IEEE Std. 334-2006).

The current version of the RG endorses the currently applicable standard. The NRC is not aware of any pending revision of the IEEE Std. 334. There are no technical or regulatory issues at this time requiring revision of the RG. Once a new revision is issued, the RG will be reviewed in a timely manner and adjusted as needed.

Enclosure:  
As stated

CONTACT: Eric M. Lysiak, RES/DE/ICEEB  
301-415-2369

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