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September 29, 2016

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

FROM: Ian C. Jung, Chief **/RA/**
Instrumentation, Controls
and Electrical Engineering Branch
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE
(RG) 1.158

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.158, "Qualification of Safety-Related Lead Storage Batteries for Nuclear Power Plants." The RG describes qualification methods for Class 1E lead storage batteries and racks to be used in nuclear power plants outside of primary containment, published in February, 1989. 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 1.158 Revision 2 is warranted. The staff plans to develop a draft guide by the second quarter of FY2017, and issue it for public comment by the fourth quarter of FY2017.

Enclosure:
As stated

CONTACT: Liliana Ramadan, RES/DE/ICEEB
301-415-2463

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