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October 29, 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) 1.216

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of regulatory guide (RG) 1.216, "Containment Structural Evaluation for Internal Pressure Loading Above Design-Basis Pressure." The RG provides guidance on methods acceptable to the staff for evaluating structural integrity of the containment structure when the containment is subjected to beyond design basis internal pressure. The guide was published in August, 2010. 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 no revision to RG 1.216 Revision 0 is currently warranted. The RG should be reviewed following the normal periodicity.

Enclosure:  
As stated

CONTACT: Thomas J. Herrity, RES/DE/SGSEB  
301-415-2351

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