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March 11, 2015

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

FROM: Thomas Boyce, Chief **/RA/**  
Regulatory Guidance and Generic Issues Branch  
Division of Engineering  
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE  
(RG) 1.21, REVISION 2

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.21, Revision 2, "Measuring, Evaluating, and Reporting Radioactive Material in Liquid and Gaseous Effluents and Solid Waste."

The RG describes radiological effluent monitoring for nuclear power plants and it was published in June, 2009. 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 review, the staff concludes that a revision to RG 1.21, Revision 2 is not warranted at this time as the issues identified are minor in nature and do not affect the technical content of the RG.

Enclosure:  
As stated

CONTACT: Edward O'Donnell, RES/DE/RGGIB  
301-251-7455

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