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September 28, 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) 1.151

This memorandum documents the U.S. Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.151, "Instrument Sensing Lines." The RG endorses, in part and with certain clarifications, the American National Standards Institute (ANSI)/International Society of Automation (ISA) standard ANSI/ISA 67.02.01-1999, "Nuclear Safety-Related Instrument-Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants." In 2014, ISA issued a revision to standard ANSI/ISA-67.02.01-2014. This revision corrected technical information in the figures in this standard and added additional criteria.

As discussed in Management Directive 6.6, "Regulatory Guides," the NRC staff reviews RGs approximately every five 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 1.151, Revision 1 is warranted. The staff plans on developing the draft Regulatory Guide for Revision 2 of RG 1.151 and transmitting it to the Regulatory Guidance and Generic Issues Branch by the end of June 2017.

Enclosure:
Regulatory Guide Periodic Review for RG 1.151

CONTACT: David Dawood, RES/DE/ICEEB
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