May 6, 2015

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

FROM: Lawrence E. Kokajko, Director ***/RA/***
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE 1.11

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.11, "Instrument Lines Penetrating Primary Reactor Containment," published in March 2010. The RG defines a basis that the NRC staff considers acceptable to implement the intent of General Design Criterion (GDC)-55, "Reactor Coolant Pressure Boundary Penetrating Containment," and GDC-56, "Primary Containment Isolation," of Appendix A, "General Design Criteria for Nuclear Power Plants," to Title 10 of the *Code of Federal Regulations* Part 50, "Domestic Licensing of Production and Utilization Facilities" (Ref. 1), with regard to instrument lines. 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. The documentation of the Office of Nuclear Reactor Regulation (NRR) staff review is enclosed.

Based on the results of the periodic review, the NRR staff concludes that no changes to RG 1.11 are warranted. The NRR staff did not identify any technical or regulatory issues in the review.

Enclosure:
Regulatory Guide Periodic Review

CONTACT: Leslie Perkins, NRR/DPR
(301) 415-2375

May 6, 2015

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

FROM: Lawrence E. Kokajko, Director ***/RA/***
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE 1.11

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.11, "Instrument Lines Penetrating Primary Reactor Containment," published in March 2010. The RG defines a basis that the NRC staff considers acceptable to implement the intent of General Design Criterion (GDC)-55, "Reactor Coolant Pressure Boundary Penetrating Containment," and GDC-56, "Primary Containment Isolation," of Appendix A, "General Design Criteria for Nuclear Power Plants," to Title 10 of the *Code of Federal Regulations* Part 50, "Domestic Licensing of Production and Utilization Facilities" (Ref. 1), with regard to instrument lines. 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. The documentation of the Office of Nuclear Reactor Regulation (NRR) staff review is enclosed.

Based on the results of the periodic review, the NRR staff concludes that no changes to RG 1.11 are warranted. The NRR staff did not identify any technical or regulatory issues in the review.

Enclosure:
Regulatory Guide Periodic Review

CONTACT: Leslie Perkins, NRR/DPR
(301) 415-2375

DISTRIBUTION:

PUBLIC	RidsNrrDpr	MGavrilas	AMendiola	BThomas	TBoyce
LPerkins	RDennig	JBettle	RJervey	PLPB R/F	RidsNrrDprPlpb
RidsNrrLADHarrison					

ADAMS Accession No.: ML15117A141 **NRR-106 *Via email**

OFFICE	NRR/DPR/PLPB	NRR/DPR/PLPB	NRR/DSS/SCVB	NRR/DPR/PLPB	NRR/DPR	NRR/DPR
NAME	LPerkins	DHarrison*	RDennig	AMendiola (JGolla for)	MGavrilas	LKokajko
DATE	4/ 28 /2015	4/30/2015	4/ 2 /2015	5 / 1 /2015	5 /1 /2015	5/6/2015

OFFICIAL RECORD COPY

Regulatory Guide Periodic Review

Regulatory Guide Number: **1.11**
Revision number: **1**

Title: **Instrument Lines Penetrating Primary Containment**

Office/division/branch: **NRR/DSS/SCVB**
Technical Lead: **Jerome Bettle**

Staff Action Decided: **Reviewed with no issues identified**

1. What are the known technical or regulatory issues with the current version of the Regulatory Guide (RG)?

RG 1.11, "Instrument Lines Penetrating Primary Reactor Containment," published in March 2010. The RG defines a basis that the staff of the U.S. Nuclear Regulatory Commission (NRC) considers acceptable to implement the intent of General Design Criterion (GDC)-55, "Reactor Coolant Pressure Boundary Penetrating Containment," and GDC-56, "Primary Containment Isolation," of Appendix A, "General Design Criteria for Nuclear Power Plants," to Title 10 of the *Code of Federal Regulations* Part 50, "Domestic Licensing of Production and Utilization Facilities" (Ref. 1), with regard to instrument lines.

No technical or regulatory issues were identified.

2. What is the impact on internal and external stakeholders of <u>not</u> updating the RG for the known issues, in terms of anticipated numbers of licensing and inspection activities over the next several years?

Not applicable.

3. What is an estimate of the level of effort needed to address identified issues in terms of full-time equivalent (FTE) and contractor resources?

Not applicable.

4. Based on the answers to the questions above, what is the staff action for this guide (Reviewed with no issues identified, Reviewed with issues identified for future consideration, Revise, or Withdraw)?

Not applicable.

ENCLOSURE

5. Provide a conceptual plan and timeframe to address the issues identified during the review.

Not applicable.

NOTE: This review was conducted in April 2015 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.