

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 1.197

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.197, "Demonstrating Control Room Envelope Integrity at Nuclear Power Reactors," published in May 2003. The RG provides an approach acceptable to the NRC staff for measuring inleakage into the control room and associated rooms and areas at nuclear power reactors. The amount of inleakage is an input to the design of the control room, and periodic verification of the inleakage provides assurance that the control room will be habitable during normal and accident conditions. This guide provides guidance on methods acceptable to the staff for determining control room envelope integrity for the purpose of confirming that the reactor meets General Design Criterion-19. 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 1.197 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

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DATE	4/ 28 /2015	4/30/2015	4/2/2015	5/1/2015	5/1/2015	5/6/2015

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Regulatory Guide Periodic Review

Regulatory Guide Number: **1.197**
Revision number: **0**

Title: **Demonstrating Control Room Envelope Integrity at Nuclear Power Reactors**

Office/division/branch: **NRR/DSS/SCVB**
Technical Lead: **Nageswara Karipineni**

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 1.197, "Demonstrating Control Room Envelope Integrity at Nuclear Power Reactors," published in May 2003. The RG provides an approach acceptable to the NRC staff for measuring inleakage into the control room and associated rooms and areas at nuclear power reactors. The amount of inleakage is an input to the design of the control room, and periodic verification of the inleakage provides assurance that the control room will be habitable during normal and accident conditions. This guide provides guidance on methods acceptable to the staff for determining control room envelope integrity for the purpose of confirming that the reactor meets General Design Criterion-19.

No technical or regulatory issues were identified.

2. What is the impact on internal and external stakeholders of not 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.

- 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.