

Regulatory Guide Periodic Review

Regulatory Guide Number: **1.70**

Title: **Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants (LWR Edition)**

Office/division/branch: **NRO/DARR/NRGB**

Technical Lead: **Thomas Kevern**

Recommended Staff Action: **Reviewed with issues identified for future consideration**

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

Regulatory Guide 1.70, "Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants (Light Water Reactor) (LWR Edition), was initially published February 1972 and last revised November 1978. RG 1.70 provides detailed guidance in preparing applications for construction permits and operating licenses for new nuclear power plants. Since that time, the Commission established a new combined (construction and operating) licensing process under Part 52.

Since the development of RG 1.70, there have been several updates to regulatory guides, as well as, sections of NUREG 0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," in support of new reactor licensing. As such, RG 1.70 is no longer being exclusively used by applicants for licensing new reactors.

RG 1.206, "Combined License Applications for Nuclear Power Plants (LWR Edition)," Revision 0, was developed to provide guidance to applicants who planned to use the 10 CFR Part 52 process to reference an early site permit (ESP), a design certification (DC), both, or neither, in a Combined License (COL) application. RG 1.206 was based on the existing guidance provided in RG 1.70. RG 1.206 is currently under revision to include developments in the nuclear industry and identified regulatory enhancements.

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?

Currently RG 1.70 is not being used by stakeholders. There is no anticipated use for this RG in licensing activities over the next several years. The staff intends to expand the scope of RG 1.206 to include applications for licensing of nuclear power plants under 10 CFR Part 50 (i.e., Construction Permits and Operating Licenses).

- 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?**

NRC staff requires approximately .1 FTE to finalize evaluation of RG 1.70 for withdrawal. No contract dollars are anticipated.

- 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)?**

Reviewed with issues identified for future consideration

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

The staff plans to document the basis for withdrawing RG 1.70 using the standard template provided by the Office of Nuclear Regulatory Research. The current plan is to update RG 1.206 in phases with the guidance for a construction permit and an operating license in a later phase that has not currently been scheduled. After the guidance information for obtaining a construction permit and an operating license has been incorporated into RG 1.206, the regulatory guide will then supersede RG 1.70.

NOTE: This review was conducted in September 2014 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.