



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 23, 2018

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

FROM: Dogan Seber, Chief **/RA/**
Structural, Geotechnical, and Seismic Engineering Branch
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE
(RG) 1.90, IN-SERVICE INSPECTION OF PRESTRESSED
CONCRETE CONTAINMENT STRUCTURES WITH GROUTED
TENDONS

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of Regulatory Guide (RG) 1.90, Revision 2, "In-service Inspection (ISI) of Prestressed Concrete Structures with Grouted Tendons," The RG issued in November 1974 with a revisions in August 1977 and November 2012, describes methods that the NRC considers acceptable for use in developing an appropriate in-service inspection (ISI) program for prestressed concrete containment structures with grouted tendons. As discussed in Management Directive 6.6, "Regulatory Guides," the NRC staff reviews RGs approximately every 10 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 no changes to RG 1.90 Revision 2 are warranted at this time. However, if NRC's licensing activities presents a need for revision in future, the NRC staff will perform a complete review analyzing the need from the user office and provide a plan and timeframe to address the issues.

Enclosure:
As stated

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301-415-2004

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