



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001**
September 22, 2014

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

FROM: Mike Case, Director **/RA/**
Division of System Analysis
Office of Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE
(RG) 8.19

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of regulatory guide (RG) 8.19, Revision 1, "Occupational Radiation Dose Assessment in Light-Water Reactor Power Plants -- Design Stage Man-Rem Estimates," issued in June 1979. The RG describes a method acceptable to the NRC staff for performing an assessment of collective occupational radiation dose as part of the ongoing design review process involved in designing a light water-cooled power reactor (LWR) so that occupational radiation exposures will be as low as reasonably achievable (ALARA). As required in Management Directive 6.6, "Regulatory Guides," the NRC staff reviews RGs approximately every 5 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 8.19, Revision 1, is not warranted at this time.

Enclosure:
As stated

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