



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

November 1, 2017

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

FROM: Thomas H. Boyce, Chief /RA/  
Regulatory Guidance and Generic Issues Branch  
Division of Engineering  
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEWS OF REGULATORY  
GUIDES 8.15, 8.32, AND 8.34

This memorandum documents the U.S. Nuclear Regulatory Commission (NRC) periodic reviews of Regulatory Guide (RG) 8.15, Revision 1, "Acceptable Programs for Respiratory Protection," RG 8.32, Revision 0, "Criteria for Establishing a Tritium Bioassay," and RG 8.34, Revision 0, "Monitoring Criteria and Methods to Calculate Occupational Radiation Doses," published in 1999, 1988, and 1992, respectively. As discussed in Management Directive 6.6, "Regulatory Guides," the NRC staff reviews RGs periodically to ensure that the RGs continue to provide useful guidance. Documentation of the NRC staff reviews is enclosed with a brief description listed below:

- RG 8.15 has been reviewed with issues identified for future consideration. The staff will consider revising Revision 1 to RG 8.15 if more substantive changes to applicable standards are published, or if the staff finds that further guidance is needed in the implementation of respiratory protection programs.
- RG 8.32 has been reviewed with issues identified for future consideration. The staff will consider any new technical information that may be available during the next periodic review and determine if an update is needed.
- RG 8.34 is in the process of being revised. However, the staff has performed a periodic review to identify issues that are currently under consideration. The staff has estimated that a draft Revision 1 to RG 8.34 will be published for public comment by the 2<sup>nd</sup> quarter of 2018.

Enclosures:  
Regulatory Guide Periodic Reviews

CONTACTS: David Garmon, NRR/DRA/ARCB 301-415-3512  
Steve Garry, NRR/DRA/ARCB 301-415-2766

SUBJECT: RESULTS OF PERIODIC REVIEWS OF REGULATORY GUIDES 8.15, 8.32, AND  
8.34

**DISTRIBUTION:**

C. Sun, RES  
K. Webber, RES  
M. Case, RES  
L. Burkhart, NRO  
O. Siurano-Perez, NMSS

**ADAMS Accession No: ML17292B508**

OFFICE	RES/DE/RGGIB	RES/RSA/RPB	NRR/DRA/ARC B	NRR/DRA/ARCB
NAME	J. Parks	R. Tadesse	S. Garry	D. Garmon
DATE	10/ 26 /17	10/ 16 /17	10/ 31 /17	10/ 26 /17
OFFICE	NRR/DRA/ARCB	RES/DE/RGGIB	SUNSI Review	RES/DE/RGGIB
NAME	K. Hsueh	H. Karagiannis	H. Karagiannis	T. Boyce
DATE	11/ 1 /17	11/ 1 /17	11/ 1 /17	11/ 1 /17

**OFFICIAL RECORD COPY**