

April 23, 2015

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

FROM: Richard P. Correia, Director */RA/*
Division of Risk Analysis
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE
(RG) 1.174

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of regulatory guide (RG) 1.174, "An Approach for Using Probabilistic Risk Assessment In Risk-Informed Decisions on Plant Specific Changes to The Licensing Basis." The RG, published in July, 1998, describes an acceptable approach on the use of Probabilistic Risk Assessment (PRA) findings and risk insights to support licensee requests for changes to a plant's licensing bases, as in requests for license amendments and technical specification changes. As discussed 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. The review of RG 1.174 is being conducted early to align it with the reviews of related RGs, such as RG 1.175, "An Approach for Plant-Specific, Risk-Informed Decisionmaking: Inservice Testing," and RG 1.178, "An Approach for Plant-Specific Risk-Informed Decisionmaking for Inservice Inspection of Piping." Documentation of the NRC staff review is enclosed.

Based on the results of the periodic review, the staff concludes that a revision to RG 1.174, Revision 2, is not currently warranted. However, the staff plans to develop a draft guide of RG 1.174, as directed in SRM-SECY-11-0014. The schedule for developing a draft guide for RG 1.174 is dependent on work currently being performed by the NRC's Risk Management Regulatory Framework (RMRF) working group, as directed by the commission in SRM-SECY-13-0132. In this staff requirements memorandum (SRM), the RMRF working group was directed to develop a Commission Paper that, in part, preserves the insights contained in Enclosure 3 of SECY-13-0132, "Defense-in-Depth Observations and Detailed History," and includes a description of the interrelationships of several on-going activities, including the staff efforts to address the defense-in-depth direction in SRM-SECY-11-0014. As such, the schedule for updating RG 1.174 will be developed following the Commission's issuance of an SRM in response to the RMRF Commission Paper. It is currently estimated that the Commission SRM on the RMRF Commission Paper would be issued in the second quarter of Calendar Year 2016.

Enclosure:
As stated

CONTACT: Anders Gilbertson, RES/DRA/PRB
301-251-7592

April 23, 2015

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

FROM: Richard P. Correia /RA/
Division of Risk Analysis
Office of Nuclear Regulatory Research

SUBJECT: RESULTS OF PERIODIC REVIEW OF REGULATORY GUIDE
(RG) 1.174

This memorandum documents the US Nuclear Regulatory Commission (NRC) periodic review of regulatory guide (RG) 1.174, "An Approach for Using Probabilistic Risk Assessment In Risk-Informed Decisions on Plant Specific Changes to The Licensing Basis." The RG, published in July, 1998, describes an acceptable approach on the use of Probabilistic Risk Assessment (PRA) findings and risk insights to support licensee requests for changes to a plant's licensing bases, as in requests for license amendments and technical specification changes. As discussed 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. The review of RG 1.174 is being conducted early to align it with the reviews of related RGs, such as RG 1.175, "An Approach for Plant-Specific, Risk-Informed Decisionmaking: Inservice Testing," and RG 1.178, "An Approach for Plant-Specific Risk-Informed Decisionmaking for Inservice Inspection of Piping." Documentation of the NRC staff review is enclosed.

Based on the results of the periodic review, the staff concludes that a revision to RG 1.174, Revision 2, is not currently warranted. However, the staff plans to develop a draft guide of RG 1.174, as directed in SRM-SECY-11-0014. The schedule for developing a draft guide for RG 1.174 is dependent on work currently being performed by the NRC's Risk Management Regulatory Framework (RMRF) working group, as directed by the commission in SRM-SECY-13-0132. In this staff requirements memorandum (SRM), the RMRF working group was directed to develop a Commission Paper that, in part, preserves the insights contained in Enclosure 3 of SECY-13-0132, "Defense-in-Depth Observations and Detailed History," and includes a description of the interrelationships of several on-going activities, including the staff efforts to address the defense-in-depth direction in SRM-SECY-11-0014. As such, the schedule for updating RG 1.174 will be developed following the Commission's issuance of an SRM in response to the RMRF Commission Paper. It is currently estimated that the Commission SRM on the RMRF Commission Paper would be issued in the second quarter of Calendar Year 2016.

Enclosure:
As stated

DISTRIBUTION:

Sunil Weerakkody

Hossein Hamzehee

Lynn Mrowca

ADAMS Accession No.:

OFFICE	RES/DRA/PRB	Sunsi Review	RES/DRA/PRB	RES/DE/RGGB	D:RES/DRA
NAME	A. Gilbertson	A. Gilbertson	J. Nakoski	S. Burton	R. Correia
DATE	04/03/15	04/03/15	04/13/15	04/23/15	04/23/15

OFFICIAL RECORD COPY