

**Domestic Utilities**

American Electric Power
Carolina Power & Light
Commonwealth Edison
Consolidated Edison
Duquesne Light
Duke Power
Georgia Power
Florida Power & Light

Houston Lighting & Power
New York Power Authority
Northeast Utilities
Northern States Power
Pacific Gas & Electric
Public Service Electric & Gas
Rochester Gas & Electric
South Carolina Electric & Gas

Southern Nuclear
Tennessee Valley Authority
TU Electric
Union Electric
Virginia Power
Wisconsin Electric Power
Wisconsin Public Service
Wolf Creek Nuclear

International Utilities

Electrabel
Kansai Electric Power
Korea Electric Power
Nuclear Electric plc
Nuklearna Elektrana
Spanish Utilities
Taiwan Power
Vattenfall

OG-96-103

NRC Project Number 686
WCAP-14756

December 11, 1996

To: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Attention: Chief, Planning, Program and Management Support Branch (1L, 1A, 1R)

Subject: Westinghouse Owners Group
Transmittal of WCAP-14756, Aging Management Evaluation for Pressurized Water Reactor Containment Structure

This letter transmits one copy of the Generic Technical Report (GTR), WCAP-14756, Aging Management Evaluation for Pressurized Water Reactor Containment Structure, December 1996. This report was developed as part of the Westinghouse Owners Group (WOG) Life Cycle Management/License Renewal (LCM/LR) Program. WCAP-14756 (non-proprietary) is being submitted under the NRC licensing topical report program for review and acceptance for referencing in licensing actions.

The purpose of the GTRs being developed by the WOG is to identify aging effects and to describe the various options that a utility can employ to manage the identified effects of aging. Management of aging effects will ensure that system, structure, or component intended functions can be maintained during an extended period of operation. Maintaining the intended functions will ensure the continued safe and efficient operation of our nuclear power plants.

Specifically, WCAP-14756 addresses how the effects of aging can be managed for a pressurized water reactor containment. The scope of this report includes domestic commercial nuclear power plants with Westinghouse nuclear steam supply systems. The scope is limited to maintaining the structural integrity of the containment structure and penetrations, including protection of the internal systems and structures as well as the external environment.

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WCAP-14756 identifies mechanisms that cause aging effects and presents options that manage these effects to ensure that the intended functions are maintained. The options presented to manage aging are part of current industry practice based on the 1992 Code Edition, and Addenda, of ASME Section XI, Subsections IWE, and IWL. The effectiveness of these programs during an extended period of operation is justified since they are in compliance with 10 CFR 50.55a and NRC Regulatory Guides. In addition, the system intended functions supported by the containment structure will also be maintained.

If you have any questions regarding this material, please contact Roger Newton, LCM/LR Working Group Chairman, Wisconsin Electric Power Company at (414) 221-2002 or Gordon Vytlačil, Westinghouse at (412) 374-2563.

Attachment 1 is a service list providing the involved parties, addresses, phone numbers, and fax numbers. Please send all invoices to Mr. Andrew Drake, Project Manager, Westinghouse Owners Group, using the address on the service list.

Very truly yours,



T.V. Greene
Chairman
Westinghouse Owners Group

Attachment

cc: S.C. Flanders, NRC/ADAR/PDLR (1L, 1A, 22R)
Westinghouse Owners Group Primary Representatives (1L)
Westinghouse Owners Group LCM/LR Working Group (1L)
Steering Committee (1L)
T.H. Cloninger, Houston Lighting & Power (1L)
T.C. McMeekin, Duke Power Company (1L)
A.P. Drake, Westinghouse (1L)

Attachment 1

SERVICE LIST

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