



Domestic Utilities

American Electric Power
Carolina Power & Light
Commonwealth Edison
Consolidated Edison
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

NRC Project Number 686
WCAP-14575

OG-97-101

September 30, 1997

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

Subject: Westinghouse Owners Group
Modified Response to NRC Request for Additional Information on WOG Generic Technical Report WCAP 14575, "License Renewal Evaluation: Aging Management for Class 1 Piping and Associated Pressure Boundary Components" Number 2(d)

References: 1) NRC letter dated April 18, 1997 from P.T. Kuo to R.A. Newton, Westinghouse Owners Group
2) Westinghouse Owners Group letter, OG-97-060, June 13, 1997 (Response to RAIs)

Attached is a modified Westinghouse Owners Group (WOG) response to Request for Additional Information Number 2(d) on WCAP-14575, "License Renewal Evaluation: Aging Management for Class 1 Piping and Associated Pressure Boundary Components." The modification is based on a vote taken at a meeting of the PVRC Working Group on S-N Curve Data, which was discovered after the original WOG response was provided in OG-97-060, June 13, 1997. The modification was previously presented to the staff during a meeting between the WOG and NRC on July 10, 1997.

Please distribute this response to the appropriate people in your organization for their review.

If you have questions on this modified response, please contact Frank Klanica, Westinghouse, at (412) 374-6392, Charlie Meyer, Westinghouse, at (412) 374-5027, or myself at Wisconsin Electric Power Company, (414) 221-2002.

Very truly yours,

Roger A. Newton, Chairman
LCM/LR Working Group
Westinghouse Owners Group

cc: R. Anand, USNRC, (1L, 1A)
LCM/LR Working Group (1L, 1A)
Steering Committee (1L, 1A)

9710090279 970930
PDR TOPRP EMVWEST
C PDR

97OG101.doc



proj-686
2043

TOPP PDR

REQUEST FOR ADDITIONAL INFORMATION
WESTINGHOUSE OWNERS GROUP TOPICAL REPORT WCAP-14575
"License Renewal Evaluation: Aging Management for Class 1 Piping and Associated
Pressure Boundary Components"

Request for Additional Information # 2(d)

Table 4-8 lists parameters developed by the PVRC to identify components where the environmental effect on fatigue life are not considered significant. Describe the test data used to establish the criteria for water flow velocity.

Initial response (in OG-97-060, June 13, 1997):

The criteria for water flow velocity in Table 4-8 will be corrected to show >3 m/sec (9.843 ft/sec) instead of >3 m/sec (3.3 ft/sec). The test data used to establish the criteria for water flow velocity should be described in the references listed in reference 43 (attached)

Modified response:

At a meeting of the PVRC Working Group on S-N Curve Data on June 2, 1997, it was decided that there was insufficient data to support a flow velocity threshold and the metal sulfur content threshold was inadequate as a useful discriminator for actual component materials in current applications. Table 4-8 and associated descriptive text will be updated to remove these parameters. The PVRC work on environmental effects will continue to define thresholds based on the remaining four parameters.