



August 11, 1995

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-137  
Washington, D.C. 20555

Gentlemen:

ULNRC-3253

**CALLAWAY PLANT  
DOCKET NUMBER 50-483  
REACTOR VESSEL STRUCTURAL INTEGRITY**

- References:
- 1) NRC Generic Letter 92-01, Revision 1, Supplement 1, dated April 28, 1995
  - 2) NRC Generic Letter 88-11, dated July 12, 1988
  - 3) I&E Bulletin 78-12, dated September 26, 1978

The attachment to this letter contains Union Electric's response to NRC Generic Letter 92-01. If you have any questions concerning this information, please contact us.

Very truly yours,

A. C. Passwater  
Manager-Licensing and Fuels

WEK/plr  
Attachment (2 pages)

180024

A028  
11

UNION ELECTRIC RESPONSE TO  
NRC GENERIC LETTER 92-01, REVISION 1, SUPPLEMENT 1,  
"REACTOR VESSEL STRUCTURAL INTEGRITY"

Introduction

NRC Generic Letter 92-01 was issued to obtain information to allow the NRC staff to assess industry compliance with reactor pressure vessel integrity requirements. Supplement 1 to Generic Letter 92-01, Revision 1 requires nuclear power reactor licensees to identify, collect, and report any new data pertinent to the analysis of the structural integrity of their reactor pressure vessels. This request followed the discovery of additional data which could potentially lower the expected life of some reactor vessels. The information contained herein addresses the requested actions of Generic Letter 92-01 as they pertain to the Callaway Plant reactor pressure vessel.

Union Electric Assessment

We have reviewed the data package provided with the Callaway Plant reactor pressure vessel. This package includes the material data sheets and certification reports for all the materials used to construct the Callaway reactor pressure vessel. This review indicates that no changes in the Callaway Plant reactor vessel best-estimate chemistry information need to be made.

As a check, we reviewed existing plant documents and previous submittals which contain information on reactor vessel materials. The information contained in the Callaway Technical Specifications, Final Safety Analysis Report and as submitted as required by 10 CFR 50.60, 50.61, 10 CFR 50 Appendices G and H and NRC Generic Letter 88-11 is in agreement with the Callaway reactor pressure vessel data package.

In addition, I&E Bulletin No. 78-12, "Atypical Weld Material in Reactor Pressure Vessel Welds" required the submittal of information on all primary reactor vessel weldments. Combustion Engineering submitted this information on behalf of all the SNUPPS utilities, which includes Union Electric. This information is also consistent with the Callaway reactor pressure vessel data package.

Therefore, the previously submitted Callaway Plant reactor pressure vessel evaluations remain valid.

Industry Activities

In order to address Generic Letter 92-01, Union Electric is attempting to identify sister plants that have the same reactor vessel material as our limiting weld or plate. We have reviewed the NRC Reactor Vessel Integrity Database and the WOG reactor vessel material database and did not identify any sister plants.

We are aware of various industry efforts to locate all data relevant to the determination of reactor vessel integrity. We plan to monitor these efforts (primarily the WOG database) and take appropriate actions as verified information becomes available.

Callaway reactor vessel capsule V is scheduled for withdrawal in Refuel 8, which will start in October 1996. The Callaway reactor vessel evaluations will be revised on a schedule consistent with the withdrawal of Capsule V, if new information is discovered which adversely impacts our previous evaluations. This schedule is acceptable because the Callaway reactor vessel is plate limited and current evaluations show acceptable margins exist to end of vessel life.

This response complies with the requirements of Generic Letter 92-01 Revision 1, Supplement 1. Further correspondence will only be provided if a sister plant is identified and conflicting data exists.

cc: T. A. Baxter, Esq.  
Shaw, Pittman, Potts & Trowbridge  
2300 N. Street, N.W.  
Washington, D.C. 20037

M. H. Fletcher  
Professional Nuclear Consulting, Inc.  
19041 Raines Dr  
Derwood, MD 20855-2432

M. J. Farber  
Chief, Reactor Projects Section III A  
U.S. Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, IL 60532-4351

Bruce Bartlett  
Callaway Resident Office  
U.S. Regulatory Commission  
RR#1  
Steedman, MO 65077

L. R. Wharton (2)  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
1 White Flint, North, Mail Stop 13E21  
11555 Rockville Pike  
Rockville, MD 20852-2738

Manager, Electric Department  
Missouri Public Service Commission  
P.O. Box 360  
Jefferson City, MO 65102