

October 17, 1989

Docket No. 50-483

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Mr. Donald F. Schnell
Senior Vice President - Nuclear
Union Electric Company
Post Office Box 149
St. Louis, Missouri 63166

Dear Mr. Schnell:

SUBJECT: REQUEST FOR INFORMATION REGARDING STEAM GENERATOR TUBE
RUPTURE ANALYSIS (TAC NO. 55207)

The staff is continuing its review of your steam generator tube rupture analysis and requests additional information identified in the enclosure to continue its review.

It is requested that you respond within 90 days of your receipt of this letter.

This request for information affects fewer than 10 respondents; therefore OMB clearance is not required under Pub. L. 96-511.

Sincerely,

/s/

Thomas W. Alexion, Project Manager
Project Directorate III-3
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosures:
As stated

cc: See next page

DFo1
1/1

DOCUMENT NAME: 55207 RAI

Office: LA/PDIII-3
Surname: PKreutzer
Date: 10/17/89

PM/PDIII-3
TAlexion/tg
10/17/89

RWD
for
PD/PDIII-3
JHannon
10/17/89

Mr. D. F. Schnell
Union Electric Company

Callaway Plant
Unit No. 1

cc:

Dr. J. O. Cermack
CFA Inc.
4 Professional Dr., Suite 110
Gaithersburg, MD 20879

Gerald Charnoff, Esq.
Thomas A. Baxter, Esq.
Shaw, Pittman, Potts & Trowbridge
2300 N Street, N. W.
Washington, D. C. 20037

Mr. T. P. Sharkey
Supervising Engineer,
Site Licensing
Union Electric Company
Post Office Box 620
Fulton, Missouri 65251

U. S. Nuclear Regulatory Commission
Resident Inspectors Office
RR#1
Steedman, Missouri 65077

Mr. Alan C. Passwater, Manager
Licensing and Fuels
Union Electric Company
Post Office Box 149
St. Louis, Missouri 63166

Manager - Electric Department
Missouri Public Service Commission
301 W. High
Post Office Box 360
Jefferson City, Missouri 65102

Regional Administrator
U. S. NRC, Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Mr. Ronald A. Kucera, Deputy Director
Department of Natural Resources
P. O. Box 176
Jefferson City, Missouri 65102

Mr. Bart D. Withers
President and Chief
Executive Officer
Wolf Creek Nuclear Operating
Corporation
P. O. Box 411
Burlington, Kansas 66839

Mr. Dan I. Bolef, President
Kay Drey, Representative
Board of Directors Coalition
for the Environment
St. Louis Region
6267 Delmar Boulevard
University City, Missouri 63130

REQUEST FOR ADDITIONAL INFORMATION

During the conference call on August 2, 1989, the staff indicated that the licensee's response of October 21, 1988 to the staff's request for information dated August 18, 1988 was incomplete for several reasons. First, operator action time to initiate depressurization was not provided. Second, the exact number of operators that participated in each of nine demonstration runs depicted in Table 2 of the licensee's submittal was unspecified. Third, the response times for operators did not provide sufficient assurance that they represented operators currently at the plant. For these reasons, the licensee is requested to provide additional information regarding operator response times during a steam generator tube rupture (SGTR) at the Callaway Plant, Unit 1.

The licensee should provide response times for the following actions:

- Identify and isolate ruptured steam generator.
- Operator action time to initiate cooldown.
- Cooldown of reactor coolant system (RCS).
- Operator action time to initiate depressurization.
- Depressurization of RCS.
- Operator action time to initiate safety injection (SI).
- SI termination and pressure equalization.

Assuming a simulated as-close-to-design-basis-as-possible scenario, the licensee should provide operator response times (1) demonstrating that the SGTR event can be mitigated within a period of time compatible with overfill prevention and (2) assuring that response times are representative of most, if not all, the operators currently at the plant.