



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

DOCKET FILE

50-254

September 11, 1995

Mr. D. L. Farrar
Manager, Nuclear Regulatory Services
Commonwealth Edison Company
Executive Towers West III
1400 OPUS Place, Suite 500
Downers Grove, IL 60515

SUBJECT: SUPPLEMENTAL SAFETY EVALUATION REGARDING THE PROPOSED CORE SHROUD
REPAIR - QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 (TAC NOS.
M91301 AND M91302)

Dear Mr. Farrar:

In teleconferences held June 14 and June 16, 1995, Commonwealth Edison Company (ComEd) informed the staff of an event which caused inadvertent loading on the core shroud repair hardware at Quad Cities Nuclear Station, Unit 2.

By letter dated June 19, 1995, ComEd submitted a revised 10 CFR 50.59 safety evaluation of the core shroud repair that addresses the inadvertent loading of two of the tie rod stabilizer assemblies. This loading event occurred as a result of interference of the shroud head/steam separator assembly support legs and the long upper supports of two tie rod stabilizer assemblies during reassembly of the reactor vessel internals. ComEd concluded that the safety of the long upper supports had not been compromised as a result of this event. On June 30 and July 6, 1995, ComEd submitted additional justification to support their conclusion.

The staff has reviewed the effects on the repair hardware due to the inadvertent loading, and concludes that the ability of the repair hardware to perform its intended safety function does not appear to have been adversely affected as a result of this inadvertent loading event.

In accordance with 10 CFR 50.59, ComEd also determined that no unreviewed safety question had been introduced as a result of the event and that no Technical Specification revision is involved. The staff agrees with this determination and concludes that no license amendment, pursuant to 10 CFR 50.90, is necessary.

The original Safety Evaluation (SE) issued by the NRC on June 8, 1995, contained inaccuracies. Correction of these inaccuracies are addressed in the enclosed supplemental SE. However, the conclusion of the original SE is not affected by these changes.

In addition to the items addressed in this letter and supplemental SE, the licensee informed the staff on August 28, 1995, that while preparing a

9509140295 950911
PDR ADOCK 05000254
P PDR

400062

NRC FILE CENTER COPY

DF011

response to an NRC Request for Additional Information (RAI) related to the proposed Dresden, Units 2 and 3, core shroud repair, ComEd identified a discrepancy in the original General Electric (GE) calculations for the seismic analysis of the reactor internals. The discrepancy affected the original Quad Cities, Units 1 and 2, seismic analysis of the reactor internals and was present during the preparation of the core shroud repair seismic analysis for these units, since it was not yet identified. The discrepancy related to the underestimation of the total mass at one reactor internals node point in the seismic model. In a teleconference on August 31, 1995, the licensee informed the staff of the circumstances that led to the identification of the discrepancy and of the preliminary results of its assessment of the effect of the discrepancy on the adequacy of the core shroud repair just completed at Quad Cities, Unit 2. The licensee submitted this preliminary assessment result in a letter to the staff on September 5, 1995. Based on its evaluation of the licensee's submittal, the staff concluded that the identification of the calculational error does not alter its initial conclusion regarding the adequacy of the core shroud repair. The staff's conclusion regarding the operability of Quad Cities, Unit 1 (without the tie rods installed), as stated in SE's dated July 21, 1994, and August 16, 1995, are also unaffected by this error. The licensee indicated that formal correspondence will be transmitted to the staff upon completion of its final evaluation of the discrepancy's impact on Quad Cities, Unit 2, in mid-October 1995. The staff will issue a new supplement to the SE upon completion of its evaluation of the submittal.

Our evaluation of the issues addressed in this correspondence is provided in the enclosed supplemental SE. Also enclosed please find the revised original SE.

Sincerely,

Original signed by

Robert M. Pulsifer, Project Manager
 Project Directorate III-2
 Division of Reactor Projects - III/IV
 Office of Nuclear Reactor Regulation

Docket Nos. 50-254, 50-265

- Enclosures: 1. Supplemental Safety Evaluation
- 2. Revised Safety Evaluation

cc w/encls: see next page

<u>Distribution:</u>	Docket File	PUBLIC	PDIII-2 r/f
J. Roe (JWR)	R. Capra	G. Carpenter, 014B2	C. Moore
R. Pulsifer	OGC, 015B18	ACRS (4), T2E26	P. Hiland, RIII
R. Wessman, 07E23	M. Hartzman, 07E23	J. Strosnider, 07D4	R. Jones, 08E23
K. Manoly, 07E23	W. Koo, 07D4	K. Kavanagh, 08E23	

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	LA:PD III-2	PM:PD III-2	D:PD III-2	D:EMCB	D:EMEB
NAME	CMOORE	RPULSIFER	RCAPRA	JSTROSNIDER	RWESSMAN
DATE	09/10/95	09/11/95	09/11/95	08/30/95*	09/06/95*

D. L. Farrar
Commonwealth Edison Company

Quad Cities Nuclear Power Station
Unit Nos. 1 and 2

cc:

Mr. Stephen E. Shelton
Vice President
Iowa-Illinois Gas and
Electric Company
P.O. Box 4350
Davenport, Iowa 52808

Brent E. Gale, Esq.
Vice President - Law and
Regulatory Affairs
One RiverCenter Place
106 East Second Street
P.O. Box 4350
Davenport, Iowa 52808

Michael I. Miller, Esquire
Sidley and Austin
One First National Plaza
Chicago, Illinois 60603

Warren Bilanin, EPRI Task Manager
3412 Hillview Ave.
Palo Alto, California 94303

Mr. L. William Pearce
Station Manager
Quad Cities Nuclear Power Station
22710 206th Avenue North
Cordova, Illinois 61242

Robin Dyle, Technical Chairman
BWRVIP Assessment Task
Southern Nuclear Operating Co.
P.O. Box 236
40 Inverness Center Parkway
Birmingham, Alabama 35201

U.S. Nuclear Regulatory Commission
Quad Cities Resident Inspectors Office
22712 206th Avenue North
Cordova, Illinois 61242

Chairman
Rock Island County Board
of Supervisors
1504 3rd Avenue
Rock Island County Office Bldg.
Rock Island, Illinois 61201

Illinois Department of Nuclear Safety
Office of Nuclear Facility Safety
1035 Outer Park Drive
Springfield, Illinois 62704

Regional Administrator
U.S. NRC, Region III
801 Warrenville Road
Lisle, Illinois 60532-4351

Richard J. Singer
Manager - Nuclear
MidAmerican Energy Company
907 Walnut Street
P.O. Box 657
Des Moines, Iowa 50303