

Docket Nos. 50-249
and 50-265

SEP 10 1976

Commonwealth Edison Company
ATTN: Mr. R. L. Bolger
Assistant Vice President
Post Office Box 767
Chicago, Illinois 60690

Gentlemen:

RE: DRESDEN UNIT NO. 3 AND QUAD CITIES UNIT NO. 2 FEEDWATER NOZZLE
INSPECTIONS

We have reviewed your proposed ultrasonic test (UT) program for inspections of feedwater nozzles during the forthcoming outages at Dresden Unit No. 3 and Quad Cities Unit No. 2, as described in your letters of July 9 and August 13, 1976. In view of its developmental nature, we are not able at this time to conclude that your proposed UT program will be effective. However, we believe that it would be a prudent course of action to follow. If your UT program does not result in indications greater than the 80% Full Screen Height (FSH) action level committed to in your August 13, 1976 letter, we conclude that continued operation of Dresden Unit No. 3 and Quad Cities Unit No. 2 for one additional fuel cycle at each facility is acceptable.

The basis for our conclusion is that although we are concerned about the previous cracking at Dresden Unit No. 3 and Quad Cities Unit No. 2, it is our judgment that the nozzle crack propagation would not be so severe that undetected nozzle cracks would cause loss of nozzle integrity during the next operating cycle.

Should indications in excess of 80% FSH be found during the UT examinations of the blend radii, you are expected to take the following course of action:

1. Notify the applicable NRC Project Manager immediately.
2. Thoroughly flapper wheel grind the affected blend radius surface(s).
3. Dye penetrant test (PT) the cleaned surface(s) thoroughly.

ACRS (16)
Cheng
M Randall
K Blecher
P Gamble
Blaw
M Grotz
W Lanese

DISTRIBUTION:
Docket (2)
NRC PDR (2)
Local PDR (2)
ORB-2 Reading
VStello
KRGoller
DLZiemann
RPSnaider
RDSilver
PWO'Connor
RMDiggs
Attorney, OELD
OI&E (8)
DEisenhut
LShao
WHazelton
JRBuchanan
TBAbernathy

Karman
Treby
Swanson

OFFICE >						
SURNAME >						
DATE >						

SEP 10 1976

- 4. Grind out all indications completely, maintaining accurate records of location and depth of grind.
- 5. Repeat the procedures 3 and 4 above until no further indications are found.

Should no blend radius PT indications be found to correlate UT indications in excess of 80% FSH, or should your nozzle bore UT examinations yield indications in excess of the committed action level, you are expected to notify the cognizant NRC Project Manager immediately.

We also request that you accomplish the following at Dresden Unit No. 3 and Quad Cities Unit No. 2 to minimize any further crack initiation and crack growth:

- 1. Institute the same feedwater flow and temperature monitoring and action program as was initiated at Dresden Unit No. 2 following the latest outage. Attempt to minimize ΔT (temperature differential between incoming feedwater and bulk reactor water) at all times.
- 2. If practical, provide on one printout simultaneous tracks of feedwater temperature and reactor water temperature, or a direct recording of ΔT , during startups, shutdowns, and other cold feedwater additions, such as during flood-ups. The printouts should be annotated completely, and legible copies should be submitted to the NRC on a quarterly basis until adequate data have been obtained. It is necessary to obtain such data from both Dresden Unit No. 3 and Quad Cities Unit No. 2 in order that we may assess the effect of design and procedural differences on temperature differences between feedwater and reactor water.

We request that you confirm, within 20 days of receipt of this letter, your intention to conform to the course of action outlined above, or provide a proposed alternate program, with complete basis, which provides an assurance of continued nozzle integrity equivalent to the program outlined above.

Sincerely,

Original signed by:
 Karl R. Goller, Assistant Director
 for Operating Reactors
 Division of Operating Reactors

*I called Gary
 Abrell of CE on 9/10/76
 & read this letter to him
 Silver 9/10/76*

cc: See next page
 DOR: [Signature] EB
 WHazelton LShao
 9/8/76 9/10/76

OFFICE	DOR:ORB-2	DOR-ORB-2	DOR:ORB-2	DOR:ORB-2	DOR:AD/OT	DOR:AD/ORs
SURNAME	RPSnaider:esp	RSilver	PWO'Connor	DLZiemann	DEisenhut	KRGoller
DATE	9/9/76	9/10/76	9/9/76	9/10/76	9/13/76	9/10/76

SEP 10 1976

cc: Mr. John W. Rowe
Isham, Lincoln & Beale
Counselors at Law
One First National Plaza, 42nd Floor
Chicago, Illinois 60603

Anthony Z. Roisman, Esquire
Roisman, Kessler and Cashdan
1712 N Street, N. W.
Washington, D. C. 20036

Morris Public Library
604 Liberty Street
Morris, Illinois 60451

Mr. Charles Whitmore
President and Chairman
Iowa-Illinois Gas and
Electric Company
206 East Second Avenue
Davenport, Iowa 52801

Moline Public Library
504 - 17th Street
Moline, Illinois 61265

OFFICE >

SURNAME >

DATE >