



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

June 4, 1991

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Dresden Nuclear Power Station Units 2 and 3
Exposure Extension for 8x8 Fuel Assemblies
NRC Docket Nos. 50-237 and 50-249

Reference: M. Richter (CECo) letter to T. Murley (NRC), dated
May 3, 1991.

Dr. Murley:

The referenced letter requested Staff concurrence for an increase in the maximum assembly average exposure for the Advanced Nuclear Fuels' (ANF) 8x8 fuel designs at Dresden Station Units 2 and 3. This request was accompanied by an ANF evaluation (ANF-89-80(P)) which contained information considered to be proprietary by ANF. As a result, Commonwealth Edison Company (CECo) requested that the ANF evaluation be withheld from public disclosure in accordance with 10 CFR 2.790. Since submittal of the referenced letter, a non-proprietary version (ANF-89-80(NP)) of the ANF evaluation has been received by CECo, and a copy of that document is attached for your Staff's use.

It should be noted that the non-proprietary version of the ANF evaluation (ANF-89-80(NP)) correctly identifies the Transient Linear Heat Generation Rate (TLHGR) limit curve endpoint (on Figure 5.2) to be at a planar exposure of 50.7 GWd/MTU. As previously reported in the referenced letter, the endpoint for the TLHGR limit curve was identified in the proprietary version of the ANF evaluation (ANF-89-80(P)) to be at a planar exposure of 50.0 GWd/MTU rather than 50.7 GWd/MTU. This typographical error resulted in additional conservatism at the non-limiting end of the curve. Since the currently approved TLHGR limit curve (approved to 50.0 GWd/MTU) for Units 2 and 3 includes this resultant conservatism, a revision to the curve has not been requested by CECo.

Please contact this office should further information be required.

Respectfully,

Milton H. Richter

M. H. Richter
Nuclear Licensing Administrator

Attachment: ANF 8x8 Extended Burnup Design Report for Dresden Units 2 and 3
(Non-Proprietary Version)

cc: A.B. Davis - Regional Administrator, Region III
B.L. Siegel - NRR Project Manager
D.E. Hills - Senior Resident Inspector, Dresden

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ATTACHMENT

DRESDEN UNIT 2 AND UNIT 3

8x8 EXTENDED BURNUP DESIGN REPORT

ANF-89-80(NP)
Revision 0
May 23, 1991
(Non-Proprietary)