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 ALEXICH, M. P. Indiana & Michigan Electric Co.
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SUBJECT: Requests that Exxon Nuclear Co proprietary & nonproprietary
 Rev 2 to Rept XN-NF-85-115, "...Limiting Break K(Z) LOCA/
 ECCS Analysis" be added to docket.

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January 29, 1987

AEP:NRC:0940E

Donald C. Cook Nuclear Plant Unit No. 1
Docket No. 50-315
License No. DPR-58
D. C. COOK UNIT 1 LIMITING BREAK K(Z)
LOCA/ECCS ANALYSIS

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Dear Sirs:

The purpose of this letter is to inform you that Exxon Nuclear Company (ENC) has transmitted to you proprietary and non-proprietary copies of their report No. XN-NF-85-115, Rev. 2, entitled "D. C. Cook Unit 1 Limiting Break K(Z) LOCA/ECCS Analysis," via their letter No. GNW:001:87, dated January 15, 1987. By this letter, we request that these documents be added to our Unit 1 docket, No. 50-315. The report documents the results of the LOCA/ECCS analysis performed by ENC to determine the K(Z) for the ENC fuel in Unit 1 of the D. C. Cook Plant. The analysis supports operation of D. C. Cook Unit 1 at its currently licensed thermal power rating of 3250 MW.

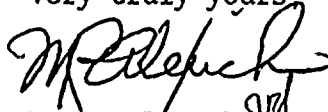
Revision 0 of this report was transmitted to you on February 5, 1986 via our letter AEP:NRC:0940C. In that letter, (and in the NRC staff's subsequent safety evaluation report dated February 21, 1986) it was indicated that the Fuel Cooling Test Facility (FCTF) reflood correlations which were used by ENC in their analysis were undergoing NRC review, and that the K(Z) curve presented in XN-NF-85-115 Rev. 0 would be reexamined after completion of the NRC's review of the FCTF data. Subsequent to this, ENC has modified the FCTF correlations to resolve NRC concerns. ENC has received formal approval from the NRC to use the correlations as modified. The analyses presented in Revision 2 to XN-NF-85-115 utilize the revised FCTF correlations. We note, however, that the K(Z) curve presented in Revision 0 of XN-NF-85-115 remains unchanged in Revision 2 to that document. Revision 2 to XN-NF-85-115 also incorporates minor editorial changes to Table 2.1 of the document. These changes correct errors in the listed volumes for the reactor vessel and pressurizer and add a footnote to denote the amount of steam generator tube plugging used in the analysis. These changes are editorial only, and do not impact the K(Z) results.

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Add: Rich Emch
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This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,



M. P. Alexich *9/8*
Vice President *11/29/87*

Attachment

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Bruchmann
G. Charnoff
NRC Resident Inspector - Bridgman