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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315
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 WARD, G. N. Exxon Nuclear Co., Inc. (subs. of Exxon Corp.)
 RECIP. NAME RECIPIENT AFFILIATION
 Record Services Branch (Document Control Desk)

SUBJECT: Forwards Rev 2 to XN-NF-85-115(NP), "DC Cook Unit 1 Limiting Break K(z) LOCA/ECCS Analysis" & Rev 2 to Proprietary XN-NF-85-115(P), "DC Cook Unit 1 Limiting Break K(z) LOCA/ECCS Analysis."

SEE SUBJECT FILES FOR ENCLOSURES

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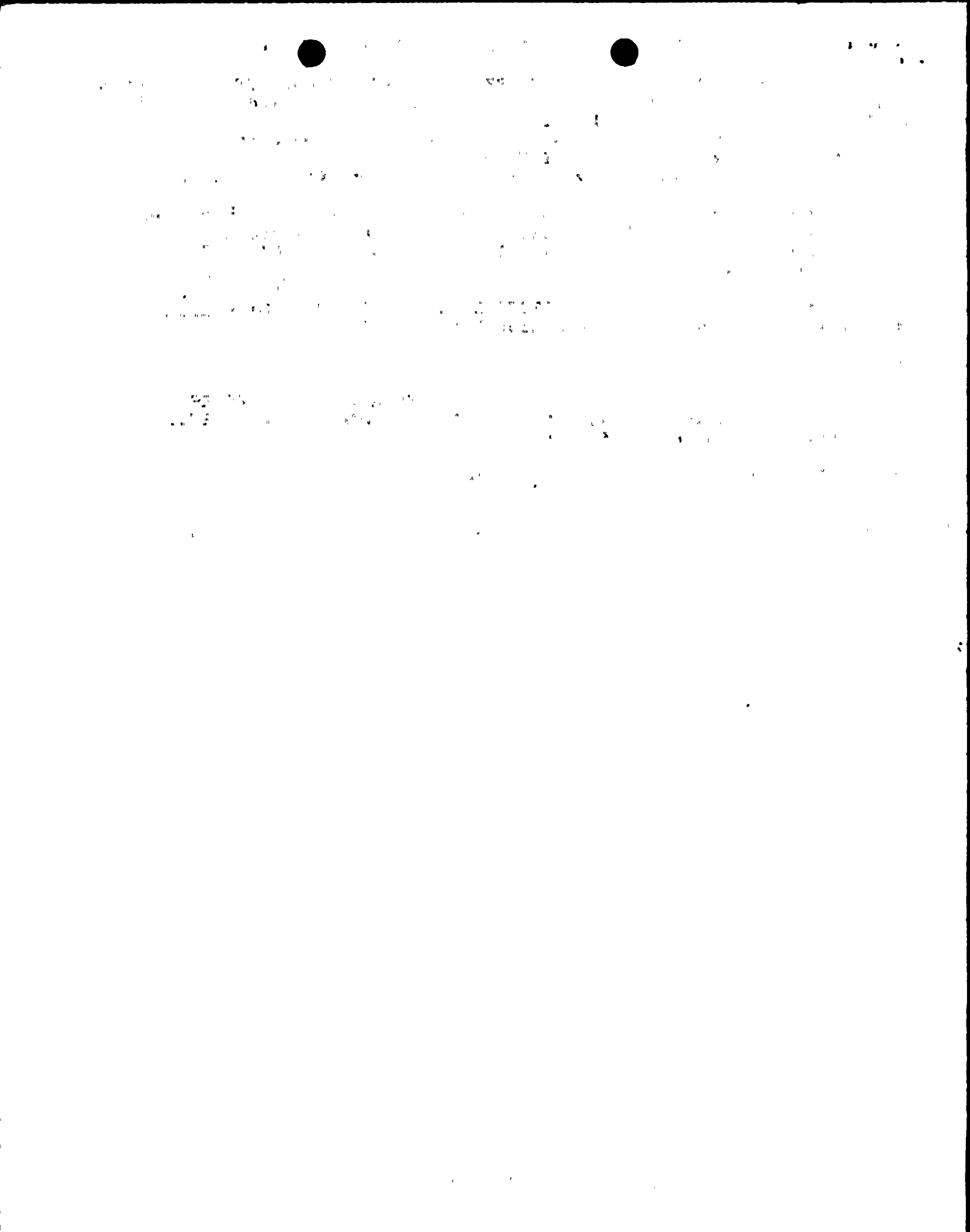
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EXXON NUCLEAR COMPANY, INC.

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January 15, 1987
GNW:001:87

Donald C. Cook Nuclear Plant No. 1
Docket No. 50-315
License No. DPR-58
TRANSMITTAL OF
LIMITING BREAK K(z) LOCA/ECCS

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

Reference: Letter, M. P. Alexich (AEPSC) to Harold R. Denton (NRC), dated
February 5, 1986 (AEP:NRC:0940C).

Dear Sir:

Subject: Transmittal of Donald C. Cook Unit 1 Limiting Break K(z)
LOCA/ECCS Analysis, XN-NF-85-115(P), Revision 2

Enclosed are ten copies each of the Exxon Nuclear Company technical report
XN-NF-85-115(P) and XN-NF-85-115(NP), Revision 2, entitled "Donald C. Cook
Unit 1 Limiting Break K(z) LOCA/ECCS Analysis," which supports operation
of the D.C. Cook Unit 1 Nuclear Plant. At the request of American
Electric Power Service Company (AEPSC), this report is being transmitted
directly by Exxon Nuclear.

This revision of the document transmitted via the reference letter
reflects changes which have been made to the reflood correlation used in
the analysis. The reflood correlations were developed by Exxon Nuclear
based on the Exxon Nuclear Fuel Cooling Test Facility data. The changes
in the reflood correlation were made to resolve NRC concerns which arose
during the review of these correlations. Formal approval has been
received from the NRC to use these correlations as modified.

Exxon Nuclear Company considers information contained in the enclosed
technical report to be proprietary. Also enclosed is a non-proprietary
version of the report. The Affidavit enclosed provides the necessary
information to allow the withholding of the proprietary version from
public disclosure as required by 10 CFR 2.790(b).

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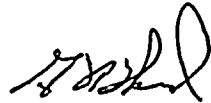
U.S. Nuclear Regulatory
Commission

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GNW:001:87
January 15, 1987

If you have any questions regarding this transmittal, please contact
Mr. James G. Feinstein of AEPSC at (614) 233-2040.

Yours very truly,



G. N. Ward, Manager
Reload Licensing

GNW:11h

Enclosures

cc: Mr. M. P. Alexich (AEPSC)
Mr. D. L. Wiggington (NRC) (w/Enclosures)

A F F I D A V I T

STATE OF WASHINGTON)
) ss.
COUNTY OF BENTON)

I, H. E. Williamson being duly sworn, hereby say and depose:

?

1. I am Manager, Licensing and Safety Engineering, for Exxon Nuclear Company, Inc. ("ENC"), and as such I am authorized to execute this Affidavit.

2. I am familiar with ENC's detailed document control system and policies which govern the protection and control of information.

3. I am familiar with the document XN-NF-85-115(P), Revision 2 entitled "Donald C. Cook Unit 1 Limiting Break K(z) LOCA/ECCS Analysis" referred to as "Document." Information contained in this Document has been classified by ENC as proprietary in accordance with the control system and policies established by ENC for the control and protection of information.

4. The document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by ENC and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in the Document as proprietary and confidential.

5. The Document has been made available to the U.S. Nuclear Regulatory Commission in confidence, with the request that the information contained in the Document will not be disclosed or divulged.

6. The Document contains information which is vital to a competitive advantage of ENC and would be helpful to competitors of ENC when competing with ENC.

7. The information contained in the Document is considered to be proprietary by ENC because it reveals certain distinguishing aspects of PWR LOCA/ECCS methodology which secure competitive advantage to ENC for fuel design optimization and marketability, and includes information utilized by ENC in its business which affords ENC an opportunity to obtain a competitive advantage over its competitors who do not or may not know or use the information contained in the Document.

8. The disclosure of the proprietary information contained in the Document to a competitor would permit the competitor to reduce its expenditure of money and manpower and to improve its competitive position by giving it extremely valuable insights into PWR LOCA/ECCS methodology and would result in substantial harm to the competitive position of ENC.

9. The Document contains proprietary information which is held in confidence by ENC and is not available in public sources.

10. In accordance with ENC's policies governing the protection and control of information, proprietary information contained in the Document has been made available, on a limited basis, to others outside ENC only as required and under suitable agreement providing for non-disclosure and limited use of the information.

11. ENC policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

12. This Document provides information which reveals PWR LOCA/ECCS methodology developed by ENC over the past several years. ENC has invested hundreds of thousands of dollars and many man-months of effort in developing the PWR LOCA/ECCS methodology revealed in the Document. Assuming a competitor had available the same background data and incentives as ENC, the competitor might, at a minimum, develop the information for the same expenditure of manpower and money as ENC.

THAT the statements made hereinabove are, to the best of my knowledge, information, and belief, truthful and complete.

FURTHER AFFIANT SAYETH NOT.

Harold E. Williamson

SWORN TO AND SUBSCRIBED

before me this 15th day of

January, 1987.

Gloria R. Fitzgerald

NOTARY PUBLIC

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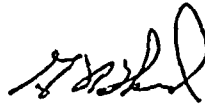
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