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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME AUTHOR AFFILIATION  
 COPELAND, R. A. Exxon Nuclear Co., Inc. (subs. of Exxon Corp.)  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Forwards proprietary Suppl 1 to Rev 1 to XN-NF-85-64(P),  
 "Plant Transient Analysis for DC Cook, Unit 2 W/10% Steam  
 Generator tube Pluggin," providing revised boron dilution  
 analysis. Suppl withheld (ref 10CFR2.790)(b)).

SEE SUBJECT FILES FOR ENCLOSURE

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# EXXON NUCLEAR COMPANY, INC.

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March 21, 1986  
RAC:025:86

Donald C. Cook Nuclear Plant Unit No. 2  
Docket No. 50-316  
License No. DPR-74  
TRANSMITTAL OF  
PLANT TRANSIENT ANALYSES RESULTS  
IN SUPPORT OF UNIT 2 OPERATION

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Denton:

SUBJECT: Transmittal of Supplement 1 to XN-NF-85-64(P), Rev. 1

- Ref.:
- (1) XN-NF-85-64(P), Rev. 1, Supp. 1, "Plant Transient Analysis for D.C. Cook Unit 2 with 10% Steam Generator Tube Plugging," Exxon Nuclear Company, March 1986
  - (2) Letter, R.A. Copeland (ENC) to H.R. Denton (NRC), November 15, 1985; RAC:070:85
  - (3) Letter, R.A. Copeland (ENC) to H.R. Denton (NRC), March 14, 1986; RAC:022:86
  - (4) XN-NF-85-64(P), Rev. 1, "Plant Transient Analysis for D.C. Cook Unit 2 with 10% Steam Generator Tube Plugging," Exxon Nuclear Company, March 1986

Enclosed are five copies of the Reference 1 supplement to the Reference 4 topical report. This supplement provides the revised boron dilution analysis (Event 15.4.6 of the Standard Review Plan). As stated in the Reference 3 transmittal letter of the topical report, this event analysis has been supplied separately so that the NRC review of Reference 4 could proceed.

At the request of AEPSC, these responses and topical reports are being transmitted directly to the NRC by Exxon Nuclear. Information contained in the responses is proprietary to the Exxon Nuclear Company. The Affidavit provided with the Reference 3 letter provides the necessary information to allow the withholding of the responses from public disclosure as required by 10 CFR 2.790(b).

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PDR ADDCK 05000316  
P PDR

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*1/4*

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

Sincerely,



R. A. Copeland  
Reload Licensing

grf

Enclosures

cc: Mr. D. L. Wigginton (NRC)(w/enc)  
Mr. W. Jensen (NRC)(w/enc)  
Mr. M. P. Alexich (AEPSC)

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