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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316

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 RECIP. NAME RECIPIENT AFFILIATION

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SUBJECT: Forwards "Evaluation of Tritium Migration in Aquifer of DC
 Cook Nuclear Plant & Surrounding Communities."

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AEP:NRC 1164

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
EVALUATION OF TRITIUM MIGRATION IN THE AQUIFER OF THE DONALD C.
COOK NUCLEAR PLANT AND SURROUNDING COMMUNITIES

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

ATTN: A. B. Davis

September 24, 1991

Dear Mr. Davis:

As requested by Mr. M. C. Schumacher of your staff, enclosed is the Evaluation of Tritium Migration in the Aquifer of the Donald C. Cook Nuclear Plant and Surrounding Communities. The enclosed evaluation was prompted by radiochemical analyses of onsite environmental monitoring well samples which detected tritium in concentrations greater than preoperational levels. As a result of this finding we were requested by your staff to evaluate the potential impact on offsite members of the public who might draw water from the affected aquifer for domestic use.

Based on our analysis of samples taken from offsite domestic wells we have concluded that the presence of tritium in the onsite environmental monitoring well samples results in no affect on public health and safety. We have, however, initiated revisions to our radiological environmental monitoring program to include routine sampling of additional wells in order to confirm that this continues to be the case in the future.

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Mr. A. B. Davis

-2-

AEP:NRC:1164

This document has been prepared following Corporate procedures that incorporate a reasonable set of controls to ensure its accuracy and completeness prior to signature by the undersigned.

Sincerely,



E. E. Fitzpatrick
Vice President

tjw

Enclosure

cc: D. H. Williams, Jr. w/o attachment
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