

AMERICAN ELECTRIC POWER SERVICE CORPORATION

Syd Miner
27266

DATE 7/7/81

MEMO TO: S. Miner

As per your request
of today
(Attachment 5
to AEP: NRC: 0500E)

Dated 5/14/81
Recd July 7/81

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 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana &
 AUTH NAME: AUTHOR AFFILIATION
 HUNTER, R.S. Indiana & Michigan Electric Co.
 RECIPIENT NAME: RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

DOCKET #
 05000315
 05000316

SUBJECT: Forwards addl info on hydrogen mitigation & control,
 including "Containment Internal Pressure Capacity, DC Cook
 Nuclear Generating Station, Phase II - Probabilistic
 Evaluation." *See rept.*

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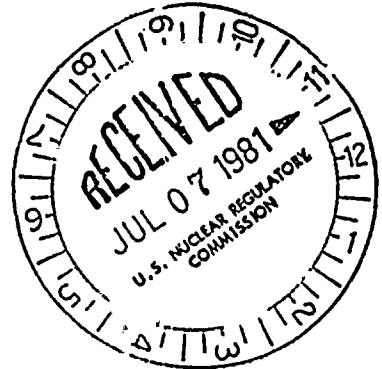
TO THE
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INDIANA & MICHIGAN ELECTRIC COMPANY

P. O. BOX 18
BOWLING GREEN STATION
NEW YORK, N. Y. 10004

July 2, 1981
AEP:NRC:00500E

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
Hydrogen Mitigation and Control Studies



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


Dear Mr. Denton:

This letter and its attachments provide additional information on Hydrogen Mitigation and Control for the Donald C. Cook Nuclear Plant. The information submitted herein supplements our previous transmittals on this topic and fulfills the commitments made in our AEP:NRC:0500C letter dated May 29, 1981.

Attachment No. 1 contains supplementary information on the Distributed Ignition System (DIS), instrument room isolation, and Containment Air Recirculation/Hydrogen Skimmer System fan survivability. Attachment No. 2 contains the preliminary results of a Cook Plant analysis performed with the modified CLASIX computer code. Attachment No. 3 contains a report on the probabilistic analysis of the calculated limiting pressure capacity of the Cook Plant containment. Attachment No. 4 contains modified pages for the DIS Technical Specifications previously submitted. These changes have been reviewed by the PSNRC and will be reviewed by AEPSC's NSDRC at their next meeting. As requested during a telephone conversation with members of your staff, drawings of the crane wall are attached to Mr. S. Miner's copy of this transmittal as Attachment 5.

The Unit 1 DIS will be operational by September 1, 1981.

Very truly yours,


R. S. Hunter
Vice President

A001
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Attachments
(cc: attached)

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PDR ADDCK 05000315
PDR

12/1

THE UNITED STATES OF AMERICA
DO hereby certify that
[illegible]
[illegible]

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cc: John E. Dolan
R. W. Jurgensen
G. Charnoff
R. C. Callen
D. V. Shaller - Bridgman
Region III Resident Inspector - Bridgman

