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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME: ALEXICH, M.P. AUTHOR AFFILIATION: Indiana & Michigan Electric Co.  
 RECIP. NAME: DENTON, H.R. RECIPIENT AFFILIATION: Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards corrected "Hydrogen Combustion Modeling Assumptions," originally submitted w/850909 Ltr. Error on Page 4 corrected, w/o encl.

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# INDIANA & MICHIGAN ELECTRIC COMPANY

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October 8, 1985  
AEP:NRC:0500T

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 CONTROL PROGRAM (10 CFR 50.44(c))

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

Dear Mr. Denton:

Our letter of September 9, 1985 (AEP:NRC:0500S) transmitted the report entitled "Hydrogen Combustion Modeling Assumptions" for the D. C. Cook Plant. This report provided technical background to the combustion model to be used in the hydrogen control program for the D. C. Cook Nuclear Plant. We have learned from Battelle Columbus Laboratories that the report contained an error on page 4.

It should have read:

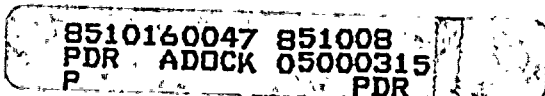
$X_f$  = final hydrogen mole fraction

instead of

$X_f$  = fraction of hydrogen burned.

The report has been corrected and is enclosed as the Attachment.

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



Very truly yours,

*M. P. Alexich*  
M. P. Alexich  
Vice President  
10/8/85

cm

Attachment

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

A001  
1/0

11-11-11

1. The first part of the report  
describes the general situation  
of the country and the  
state of the economy.  
It also mentions the  
political situation and  
the state of the  
army.

2. The second part of the report  
describes the situation in the  
different regions of the country.  
It mentions the state of the  
economy, the political situation  
and the state of the army in  
each region.

3. The third part of the report  
describes the situation in the  
different provinces of the country.  
It mentions the state of the  
economy, the political situation  
and the state of the army in  
each province.

4. The fourth part of the report  
describes the situation in the  
different districts of the country.  
It mentions the state of the  
economy, the political situation  
and the state of the army in  
each district.

5. The fifth part of the report  
describes the situation in the  
different villages of the country.  
It mentions the state of the  
economy, the political situation  
and the state of the army in  
each village.