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 DOWD,A.J. Indiana & Michigan Electric Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards responses to Items II.K.3.30 & II.K.3.31 of 800905:  
 ltr re preliminary clarification of TMI action plan  
 requirements..

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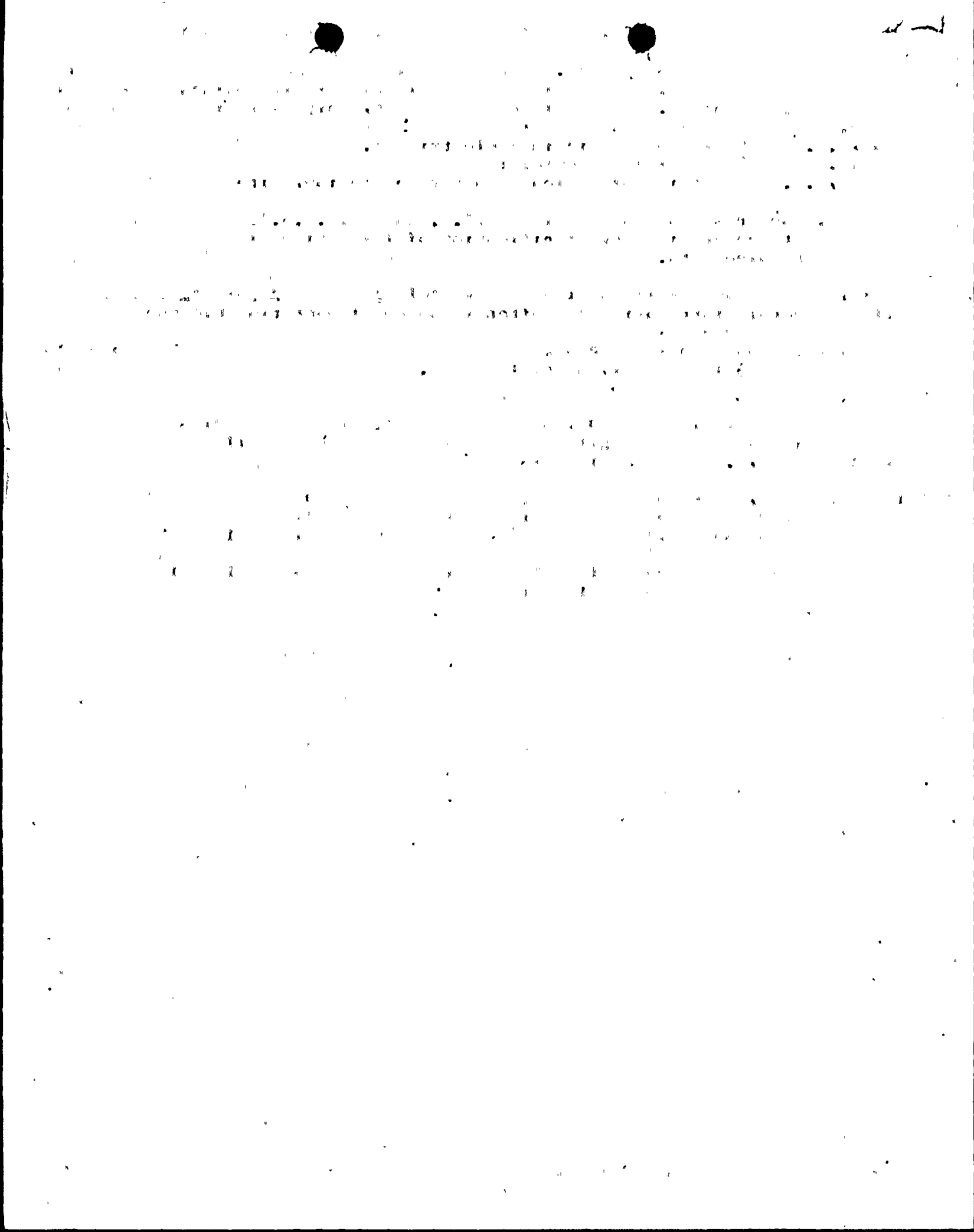
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# INDIANA & MICHIGAN ELECTRIC COMPANY

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NEW YORK, N. Y. 10004

October 1, 1980  
AEP:NRC:00398A

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
TMI Action Plan Items II.K.3.30 and II.K.3.31  
Revised Small Break LOCA Models and Analysis

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

Dear Mr. Denton:

The Attachment to this letter contains our responses to Items II.K.3.30 and II.K.3.31 of Enclosure 4 to Mr. D. G. Eisenhower's letter of September 5, 1980 entitled, "Preliminary Clarification of TMI Action Plan Requirements".

Very truly yours,



A. J. Dowd  
Vice President

cc: R. C. Callen  
G. Charnoff  
D. V. Shaller - Bridgman  
John E. Dolan  
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NRC Resident Inspector at Cook Plant - Bridgman

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ATTACHMENT TO AEP:NRC:00398A

AEP Responses to TMI Action Plan Items II.K.3.30 and II.K.3.31

II.K.3.30: Revised Small-Break LOCA Methods To Show Conformance With  
10 CFR 50, Appendix K

The present small break models used to analyze and license the Donald C. Cook Nuclear Plant are in conformance with 10 CFR 50, Appendix K. However, Westinghouse has indicated that they will address the scheduled completion date of January 1, 1982. Westinghouse will provide a detailed outline of the scope and schedule of this effort by means of a direct letter to the NRC on or before October 1, 1980. The completion and approval of the Westinghouse effort will demonstrate the satisfactory performance of the Westinghouse-designed NSS Systems in small-break LOCA scenarios regardless of core fuel design. This is based on the results of all the small LOCA analyses performed to date by Westinghouse which have shown that small-break LOCA behavior is minimally affected by the exact details of fuel design.

II.K.3.31: Plant Specific Calculations To Show Compliance With  
10 CFR 50.46

If the results of the new Westinghouse model (and subsequent NRC review and approval) indicate that the present small-break LOCA analyses for the Cook Plant are not in conformance with 10 CFR Part 50.46, a new analysis will be submitted to the NRC in accordance with the NRC schedule.