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JUL 09 1985

Docket No. 50-315
Docket No. 50-316

American Electric Power Service
Corporation
Indiana and Michigan Electric Company
ATTN: Mr. John E. Dolan
Vice Chairman
Engineering and Construction
1 Riverside Plaza
Columbus, OH 43216

This refers to the routine safety inspection conducted by Messrs. P. C. Lovendale and C. F. Gill of this office on April 22, May 15-17, May 23-24, and June 19, 1985, of activities at D. C. Cook Nuclear Plant, Units 1 and 2 authorized by NRC Operating Licenses No. DPR-58 and No. DPR-74 and to the discussions of our findings with Mr. W. G. Smith, Jr. and others at the conclusion of the inspection.

The enclosed copy of our inspection report identifies areas examined during the inspection. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, independent measurements, and interviews with personnel.

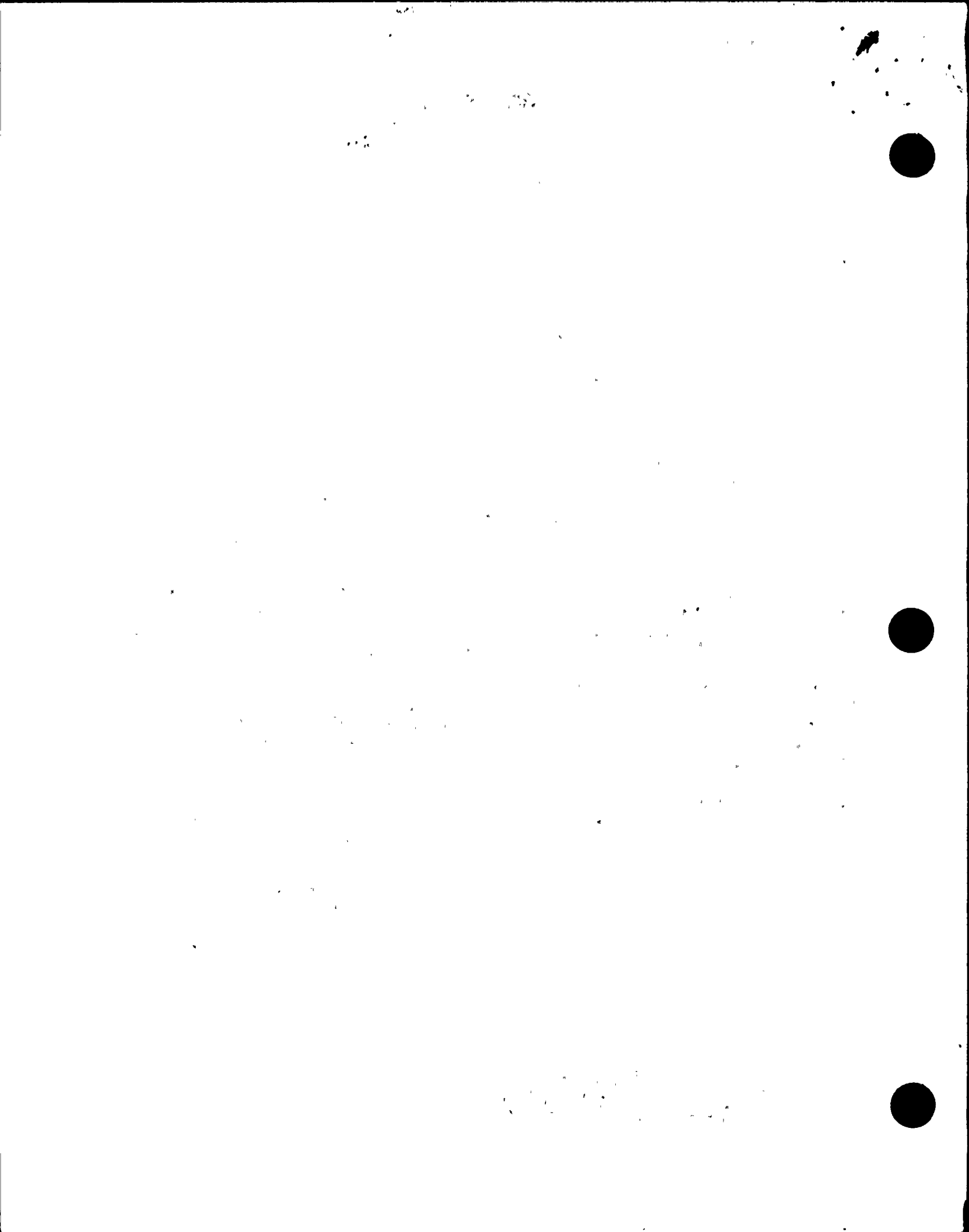
During this inspection, certain of your activities appeared to be in violation of NRC requirements, as specified in the enclosed Appendix. A written response is required. Two weaknesses, described in Section 15 of the attached inspection report, were also identified during this inspection. Please address these weaknesses in your response.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, the enclosures, and your response to this letter will be placed in the NRC's Public Document Room.

The responses directed by this letter (and the accompanying Notice) are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

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American Electric Power Service
Corporation

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We will gladly discuss any questions you have concerning this inspection.

Sincerely,



C. J. Paperiello, Chief
Emergency Preparedness and
Radiological Protection Branch

Enclosures:

1. Appendix, Notice
of Violation
2. Inspection Reports
No. 50-315/85011(DRSS);
No. 50-316/85011(DRSS)

cc w/enclosures:

W. G. Smith, Jr., Plant Manager
DMB/Document Control Desk (RIDS)
Resident Inspector, RIII
Ronald Callen, Michigan
Public Service Commission
EIS Coordinator, USEPA
Region 5 Office
Nuclear Facilities and
Environmental Monitoring
Section

RIII
(for)
Lovendale/ld
07/05/85

ya
RIII
CG
Gill

RIII
(for)
Greger

Yes
RIII
Weil
Weil
7/9/85

RIII
JES for
Wright
7/9/85

RIII
(for)
Paperiello
7/9/85