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ANNUAL OPERATING REPORT FOR 1977 CONCERNING SUBJECT FACILITY.

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*(see reports)*

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\*\*\*\*\*

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WA-2

GD

Figure 1. The effect of the concentration of the inhibitor on the rate of polymerization of  $\alpha$ -methylstyrene in the presence of  $\text{SnCl}_4$  at  $25^\circ\text{C}$ . The concentration of  $\text{SnCl}_4$  was  $1.0 \times 10^{-2}$  mole/l. and the concentration of  $\alpha$ -methylstyrene was 0.5 mole/l. The concentration of the inhibitor was (a) 0, (b)  $1.0 \times 10^{-3}$ , (c)  $2.0 \times 10^{-3}$ , (d)  $4.0 \times 10^{-3}$ , (e)  $6.0 \times 10^{-3}$ , (f)  $8.0 \times 10^{-3}$ , (g)  $1.0 \times 10^{-2}$  mole/l.

[illegible]

REGULATORY DOCKET FILE COPY



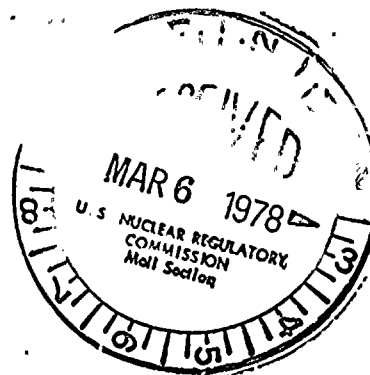
**INDIANA & MICHIGAN POWER COMPANY**

DONALD C. COOK NUCLEAR PLANT  
P.O. Box 458, Bridgman, Michigan 49106

March 1, 1978

Donald C. Cook Nuclear Plant Unit #1  
Docket Number 50-315  
DPR Number 58

Mr. J. G. Keppler, Regional Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137



Dear Mr. Keppler:

Two copies of the 1977 Annual Operating Report for the Donald C. Cook Nuclear Plant are being transmitted to you under this cover letter. The information contained in this report has been prepared pursuant to the requirements of Appendix "A" of the Donald C. Cook Nuclear Plant Technical Specifications, Regulatory Guide 1.16, Revision 4, as amended by Mr. Don K. Davis' letter to Mr. John Tillinghast dated September 19, 1977, and the requirements of 10CFR50.59.

Additional copies of this report have been transmitted to the Office of Inspection and Enforcement and Office of Management Information and Program Control of the USNRC as is specified in Regulatory Guide 10.1.

Sincerely yours,

for D. V. Shaller  
Plant Manager

DVS:pk

cc: See Page 2

Attachment

*Handwritten:* A008  
1/40\*

780670016

SECRET

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Mr. J. G. Keppler  
Annual Operating Report - 1977

March 1, 1978

cc: G. Charnoff  
R. C. Callen  
P. W. Steketee  
R. Walsh  
R. J. Vollen  
J. E. Dolan  
R. W. Jurgensen

Director, Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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Director, Office of Management Information  
and Program Control  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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