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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: AUTHOR AFFILIATION:  
 DOLAN, J. E. Indiana & Michigan Electric Co.  
 RECIPIENT NAME: RECIPIENT AFFILIATION:  
 DENTON, H. R. Office of Nuclear Reactor Regulation

SUBJECT: Responds to NRC 800102 show cause order re implementation of Category A requirements of NUREG-0578. Attachments 6 & 7 provide addl info & clarification showing full compliance w/Category A requirements.

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	H DENTON					

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THE UNITED STATES OF AMERICA  
DO hereby certify that

JOHN F. KENNEDY  
has been elected President of the United States  
for the term of years beginning on January 20, 1961

and that  
JOHN F. KENNEDY  
has been elected Vice President of the United States  
for the term of years beginning on January 20, 1961

and that  
JOHN F. KENNEDY  
has been elected President of the United States  
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# INDIANA & MICHIGAN ELECTRIC COMPANY

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

January 18, 1980

AEP:NRC:00334

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

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 respond to your letter of January 2, 1980 wherein the Commission issued a show cause order for the Donald C. Cook Nuclear Plant concerning the implementation of the "Category A" requirements of NUREG-0578. This letter also supplements our letters of October 24, 1979 (AEP:NRC:00253), November 26, 1979 (AEP:NRC:00253A), December 19, 1979 (AEP:NRC:00253B), December 26, 1979 (AEP:NRC:00253C), and January 15, 1980 (AEP:NRC:00253D). Attachments 1 through 5 are those five letters noted above and which have been previously sent to the Commission showing our degree of compliance with the "Category A" requirements. Attachments 6 and 7 provide additional information and clarification showing full compliance with the "Category A" requirements. The list of Category A requirements provided below, shows compliance with the January 31, 1980 date given in your letter of January 2, 1980.

<u>Section No.</u>	<u>Title</u>
2.1.1	Emergency Power Supply
	Pressurizer Heaters      Implemented, see Attachments 1 & 2
	Pressurizer Level      Implemented, see Attachment 1
	PORV and Block Valve      Implemented, see Attachment 1
2.1.2	Relief and Safety Valve Test
	Program and Schedule      Implemented, see Attachment 6

Add:  
H. Denton

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2.1.3.a	Direct Indication of Valve Position	Implemented, see Attachments 1, 2, 3 and 4
2.1.3.b	Instrumentation for Inadequate Core Cooling	
	Procedures	Implemented, see Attachment 6
	Design of New Instrumentation	Implemented, see Attachment 6
	Subcooling Meter	Implemented, see Attachments 1, 2, 3, 4 and 6
2.1.4	Containment Isolation	Implemented, see Attachments 1 and 6
2.1.5.a	Dedicated H <sub>2</sub> Control Penetrations	Implemented, see Attachment 1
2.1.5.c	Recombiner Procedures	Implemented, see Attachment 1
2.1.6.a	Systems Integrity for High Radioactivity	
	Leak Reduction Program	Implemented, see Attachment 6
	Preventive Maintenance Program	Implemented, see Attachment 2
2.1.6.b	Plant Shielding Review	
	Design Review	Implemented, see Attachment 1
2.1.7.a	Auto Initiation of AFW	Implemented, see Attachment 1
2.1.7.b	AFW Flow	
	Control Grade	Implemented, see Attachment 1
2.1.8.a	Post-Accident Sampling	
	Design Review	Implemented, see Attachments 2, 3 and 4
	Procedures	Implemented, see Attachments 2 and 3
	Description of Plant Modifications	Implemented, see Attachments 6 and 7



2.1.8.b	High Range Radiation Monitors	
	Effluents - Procedures	Implemented, see Attachment 1
2.1.8.c	Improved Iodine Instrumentation	Implemented, see Attachments 1 and 2
2.1.9	Transient and Accident Analysis	Implemented, see Attachments 1 and 6
	Containment Pressure Monitor	Implemented, see Attachment 1
	Containment Water Level Monitor	Implemented, see Attachment 1
	Containment Hydrogen Monitor	Implemented, see Attachment 1
	RCS Venting	Implemented, see Attachment 5
2.2.1.a	Shift Supervisor Responsibilities	Implemented, see Attachment 1
2.2.1.b	Shift Technical Advisor Advisor on Duty	Implemented, see Attachment 1
2.2.1.c	Shift Turnover Procedure	Implemented, see Attachment 1
2.2.2.a	Control Room Access	Implemented, see Attachment 1
2.2.2.b	On site Technical Support Center	
	Establish Center	Implemented, see Attachments 1 and 2
2.2.2.c	On Site Operational Support Center	Implemented, see Attachment 1

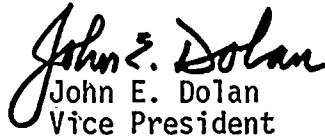
Mr. Harold R. Denton, Director

-4-

AEP:NRC:00334

The actions indicated above and those contained in our previous letters on this matter close out all the NUREG-0578 Category A requirements. Based on these actions, continued operation of the Donald C. Cook Nuclear Plant is justified in compliance with your order.

Very truly yours,

  
John E. Dolan  
Vice President

JED:em

cc: R. C. Callen  
G. Charnoff  
R. S. Hunter  
R. W. Jurgensen  
D. V. Shaller -Bridgman



STATE OF NEW YORK )  
COUNTY OF NEW YORK )

John E. Dolan, being duly sworn, deposes and says that he is  
the Vice President of licensee Indiana & Michigan Electric Company;  
that he has read the foregoing statements and knows the contents  
thereof; and that said contents are true to the best of his  
knowledge and belief.

John E. Dolan

Subscribed and sworn to before me this

18<sup>th</sup> day of January, 1980

Kathleen Barry  
Notary Public

NOTARY PUBLIC, State of New York  
No. 41-4606792  
Qualified in Queens County  
Certificate filed in New York County  
Commission Expires March 30, 1981

ATTACHMENT 1

TO

AEP:NRC:00334