

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8006030281 DOC. DATE: 80/05/07 NOTARIZED: YES  
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana &  
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana &  
 AUTH. NAME HUNTER, R.S. AUTHOR AFFILIATION Midwest Electric Cooperative I & MEC  
 RECIP. NAME KEPLER, J.G. RECIPIENT AFFILIATION Region 3, Chicago, Office of the Director

DOCKET #  
 05000315  
 05000316

SUBJECT: Forwards remaining responses to IE Bulletin 79-01B re  
 environ qualification of Class IE equipment. W/o encl.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 4  
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES: I & E - 3 CYS ALL MATERIAL

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
ACTION:	05 PM D. WIGGINGTON	1	AD D. EISENHUT	1
	BC ORB #1	1	LA ORB #1	1
INTERNAL:	01 REG FILE	1	02 NRC PDR	1
	06 I & E	3	08 OPERA LIC BR	1
	09 GEOSCIEN BR	4	10 QAB	1
	11 MECH ENG BR	1	12 STRUC ENG BR	1
	13 MATL ENG BR	2	15 REAC SYS BR	1
	16 ANALYSIS BR	1	17 CORE PERF BR	1
	18 AUX SYS BR	1	19 CONTAIN SYS	1
	20 I & C SYS BR	1	21 POWER SYS BR	1
	22 AD SITE TECH	1	26 ACCDNT ANLYS	1
	27 EFFL TRT SYS	1	28 RAD ASMT BR	1
	29 KIRKWOOD	1	AD FOR ENG	1
	AD PLANT SYS	1	AD SITE ANLYSIS	1
	AD/CORE & CONT	1	DIRECTOR NRR	1
	HYDRO-METEOR BR	2	MPA	1
	OELD	1		
EXTERNAL:	03 LPDR	1	04 NSIC	1
	30 ACRS	10		

JUN 1 1980

TOTAL NUMBER OF COPIES REQUIRED: LTTR

55  
 52 ENCL

44

AD/E  
 2

60



REGULATORY DOCKET FILE COPY

INDIANA & MICHIGAN ELECTRIC COMPANY

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

May 7, 1980  
AEP:NRC:00356A

Donald C. Cook Nuclear Plant Units 1 and 2  
Dockets No. 50-315 and 50-316  
Licenses No. DPR-58 and DPR-74

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

Dear Mr. Keppler:

This letter and its Attachments provide the remaining responses to IE Bulletin 79-01B entitled "Environmental Qualification of Class IE Equipment." Our first set of responses (AEP:NRC:00356) was submitted on March 7, 1980.

Attachment 1 to our previous submittal was a "Master List" of major pieces of equipment, Attachments 2 and 3 listed the individual components which serve this major equipment for Units 1 and 2, respectively. This information was required by action item 1 of the subject bulletin. The present submittal provides the information requested by action items 2, 3, 4 and 5 of the Bulletin.

Attachments 1, 2 and 3 to this letter are similar to Attachments 1, 2 and 3 to the first submittal, except that they have been modified to show references to specific equipment qualification charts. The charts are enclosed as Attachments 5 and 6 for Units 1 and 2, respectively. Attachment 4 to this letter consists of both general notes and notes pertaining to specific classes of components. These notes are provided to explain or clarify entries on the master lists or equipment qualification charts.

MAY 12 1980

2  
B001  
S1/0

8006080281 Q

Mr. J. G. Keppler, Regional Director

-2-

Attachments 5 and 6 to this letter are in the format required by action items 2 and 5 of the Bulletin. Copies of available test pressure and temperature vs. time profiles are generally attached to the appropriate equipment qualification charts, in response to action item 3 of the Bulletin. Exceptions include certain instruments where no single profile fully summarizes the qualification evidence, and greases and oils which are designed and rated for high temperature and pressure applications.

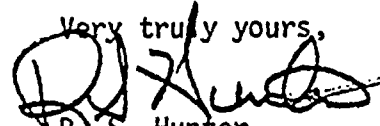
With one exception, calculated accident profiles are given by specific FSAR references which are readily available to your staff and thus we have not include copies in this submittal. The one exception is given in General Note 5 (see Attachment 4). At the clarification meeting held on February 7, 1980 in Glen Ellyn, Illinois, members of your staff indicated that reference to the FSAR would be an acceptable method of presenting this information.

Where information concerning aging qualification was available, it is noted on the equipment qualification charts. However, aging is a generic industry issue whose resolution is not clear at this time. As relevant information becomes available, we intend to continue to evaluate the sensitivity to aging of the materials and components part of safety related equipment located in potentially adverse environments.

Specified radiation doses listed on the environmental qualification charts are calculated doses of gamma radiation. Outside the containment, beta radiation is not significant because the equipment is well-shielded from the sources by either the containment wall or the piping wall. Using the guidelines furnished as Enclosure 4 to the subject bulletin, our evaluation indicates that the beta dose to the sensitive components inside containment, would be less than about one-third the calculated gamma dose.

To the best of our knowledge, the list of equipment is complete and proof of qualification for adverse environment, as defined by the licensing basis of the Donald C. Cook Nuclear Plant, exists in all cases with the exceptions noted on the equipment qualification charts (Attachment 5 and 6) or in Attachment 4. For those exceptions, either justification is provided for not requiring qualification and/or plans for replacement of equipment are indicated. In those few cases where equipment replacement has been the chosen option, justification for continued operation is also provided.

Very truly yours,



R. S. Hunter  
Vice President

RSH:em

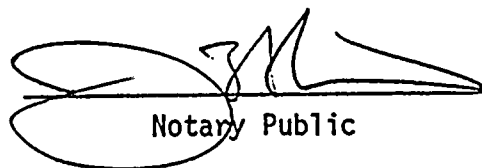
cc: (Attached)

STATE OF NEW YORK  
COUNTY OF NEW YORK

R. S. Hunter, being duly sworn, deposes and says that he is the Vice President of licensee Indiana & Michigan Electric Company, that he has read the foregoing second response to NRC IE Bulletin 79-01B and knows the contents thereof, and that said contents are true to the best of his knowledge and belief.



Subscribed and sworn to before me this 7 day of May, 1980.



Notary Public

JOHN B. FENNERTY  
Notary Public for the State of New York  
Commission Expires March 30, 1982

Mr. J. G. Keppler, Regional Director

-3-

cc: w/attachments

N. C. Moseley - NRC  
D. V. Shaller - Bridgman

cc: w/o attachments

R. C. Callen  
G. Charnoff  
J. E. Dolan  
R. W. Jurgensen