

DISTRIBUTION w/o encl.

Dockets

NRC PDR

L PDR

TERA

NSIC

ORB#1 Rdg

DEisenhut

CParrish

SMiner

OELD

IE-3

ACRS-10

JHeltemes; AEOD

Gray File-4

Docket Nos. 50-315
and 50-316

MAY 26 1981

Mr. John Dolan, Vice President
Indiana and Michigan Electric Company
Post Office Box 18
Bowling Green Station
New York, New York 10004



SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE: Donald C. Cook Nuclear Plant, Unit Nos. 1 and 2, License Nos. DPR-58
and DPR-74

See rept. 810601434

Reference (a) - Order for Modification of License Concerning the Environmental
Qualification of Safety-Related Electrical Equipment dated
October 24, 1980

Dear Mr. Dolan:

This letter transmits the Safety Evaluation for the Environmental Qualification
of Safety-Related Electrical Equipment at your facilities. This evaluation was
based on your submittals dated March 7, May 7, June 5, and October 31, 1980.
Our letter of February 24, 1981, which forwarded our preliminary results, indi-
cated that an item-by-item re-evaluation would be required at a later date.
This safety evaluation identifies the specific information required by the staff
and the actions, on your part, necessary to comply with Reference (a). We
request that you provide the information identified in sections 3 and 4 of
this Safety Evaluation to us within 90 days.

This Safety Evaluation addresses only the safety-related electrical equipment
exposed to a harsh environment resulting from an accident (i.e., the IEB
79-01B review). Reference (a) requires that all safety-related electrical
equipment be qualified by June 30, 1982. The NRC review effort for the
equipment in mild environments will be addressed by separate correspondence.

Your response may present alternatives to the staff positions in the evaluation.
The staff will consider alternative approaches if these methods are within
the DOR Guidelines or NUREG-0588, as appropriate. For example, an acceptable
alternative to the NRC staff's temperature criterion used for the service
conditions (i.e. Section 3.3) must base that service condition on the FSAR
analysis or other NRC approved analysis, provided that the specific analysis,
together with reference to the previous NRC acceptance of that analysis,
accompanies the 90 day response. In addition, some of the information in the
Safety Evaluation may require clarification. Contact your project manager for
assistance in these matters.

MA 4

810601434

OFFICE	.....	.....	.....	.....	.....	.....	.....
SURNAME	.....	.....	.....	.....	.....	.....	.....
DATE	.....	.....	.....	.....	.....	.....	.....



11

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



It remains your responsibility to assure that the qualification deadline is met for all safety-related electrical equipment. The staff's review of your response to this letter should not delay any action which is required in order to meet the deadline.

Sincerely,
Original Signed by
S. A. Varga

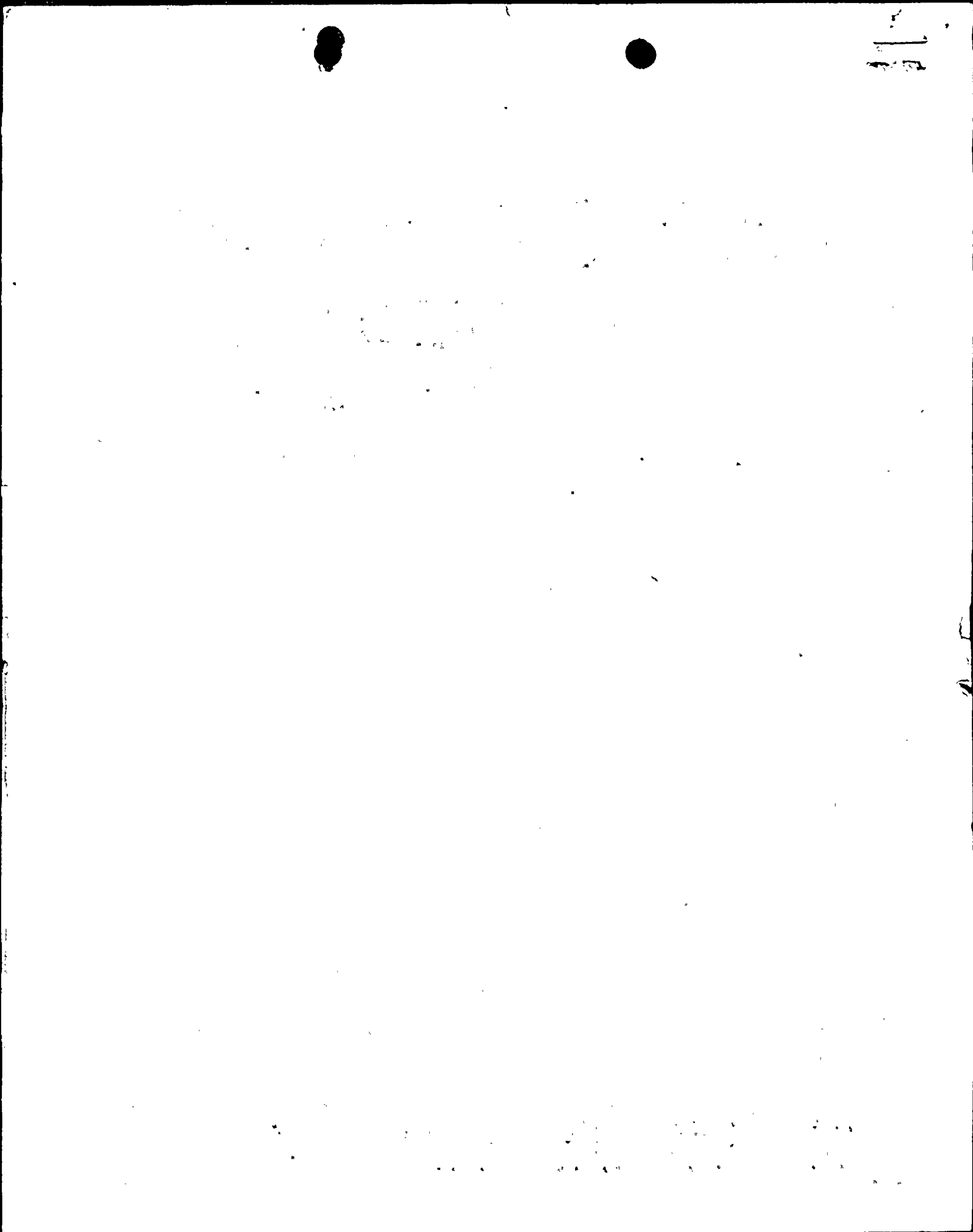
Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Enclosures:

- 1. SER
- 2. TER

cc w/o encl:
See next page

OFFICE	ORB#1:DL	ORB#1:DL	ORB#2:DL	ORB#1:DL			
SURNAME	SMorris	SMiner:ds	MW Niams	SVarga			
DATE	5/20/81	5/19/81	5/19/81	5/20/81			





UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Docket

May 26, 1981

Docket Nos. 50-315
and 50-316

Mr. John Dolan, Vice President
Indiana and Michigan Electric Company
Post Office Box 18
Bowling Green Station
New York, New York 10004

SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE: Donald C. Cook Nuclear Plant, Unit Nos. 1 and 2, License Nos. DPR-58
and DPR-74

Reference (a) - Order for Modification of License Concerning the Environmental
Qualification of Safety-Related Electrical Equipment dated
October 24, 1980

Dear Mr. Dolan:

This letter transmits the Safety Evaluation for the Environmental Qualification of Safety-Related Electrical Equipment at your facilities. This evaluation was based on your submittals dated March 7, May 7, June 5, and October 31, 1980. Our letter of February 24, 1981, which forwarded our preliminary results, indicated that an item-by-item re-evaluation would be required at a later date. This safety evaluation identifies the specific information required by the staff and the actions, on your part, necessary to comply with Reference (a). We request that you provide the information identified in sections 3 and 4 of this Safety Evaluation to us within 90 days.

This Safety Evaluation addresses only the safety-related electrical equipment exposed to a harsh environment resulting from an accident (i.e., the IEB 79-01B review). Reference (a) requires that all safety-related electrical equipment be qualified by June 30, 1982. The NRC review effort for the equipment in mild environments will be addressed by separate correspondence.

Your response may present alternatives to the staff positions in the evaluation. The staff will consider alternative approaches if these methods are within the DOR Guidelines or NUREG-0588, as appropriate. For example, an acceptable alternative to the NRC staff's temperature criterion used for the service conditions (i.e. Section 3.3) must base that service condition on the FSAR analysis or other NRC approved analysis, provided that the specific analysis, together with reference to the previous NRC acceptance of that analysis, accompanies the 90 day response. In addition, some of the information in the Safety Evaluation may require clarification. Contact your project manager for assistance in these matters.

It remains your responsibility to assure that the qualification deadline is met for all safety-related electrical equipment. The staff's review of your response to this letter should not delay any action which is required in order to meet the deadline.

Sincerely,



Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Enclosures:

1. SER
2. TER

cc w/o encl:
See next page

Mr. John Dolan
Indiana and Michigan Electric Company

cc: Mr. Robert W. Jurgensen
Chief Nuclear Engineer
American Electric Power
Service Corporation
2 Broadway
New York, New York 10004

Gerald Charnoff, Esquire
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N.W.
Washington, D. C. 20036

Maude Preston Palenske Memorial
Library
500 Market Street
St. Joseph, Michigan 49085

Mr. D. Shaller, Plant Manager
Donald C. Cook Nuclear Plant
P. O. Box 458
Bridgman, Michigan 49106

U. S. Nuclear Regulatory Commission
Resident Inspectors Office
7700 Red Arrow Highway
Stevensville, Michigan 49127

Mr. Wade Schuler, Supervisor
Lake Township
Baroda, Michigan 49101

Mr. William R. Rustem (2)
Office of the Governor
Room 1 - Capitol Building
Lansing, Michigan 48913

Honorable James Bemnek, Mayor
City of Bridgman, Michigan 49106

Director, Criteria and Standards Division
Office of Radiation Programs (ANR-460)
U. S. Environmental Protection Agency
Washington, D. C. 20460

U. S. Environmental Protection Agency
Federal Activities Branch
Region V Office
ATTN: EIS COORDINATOR
230 South Dearborn Street
Chicago, Illinois 60604

Maurice S. Reizen, M.D.
Director
Department of Public Health
P. O. Box 30035
Lansing, Michigan 48909

William J. Scanlon, Esquire
2034 Pauline Boulevard
Ann Arbor, Michigan 48103