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HERING,R.F. Indiana & Michigan Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Responds to NRC 820219 ltr re environ qualification of safety-related equipment.Table re status of compliance w/ NUREG-0737 items encl.

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TITLE: Equipment Qualification (OR & PRE-OL)

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April 7, 1982
AEP:NRC:0578D

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED
ELECTRICAL EQUIPMENT

Mr. Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Varga:

This letter responds to your letter dated February 19, 1982 and also includes several additional references requested in your January 15, 1982 letter as a follow-up to our submittal number AEP:NRC:0578C dated February 26, 1982. The complete attachment, together with a copy of this letter is being sent to your Consultant, the Franklin Research Center as per your request.

1. Response to Mr. S. Varga's letter of February 19, 1982 on TMI equipment

In our conversation of March 8, 1982 with Mr. R. Krapf of the Franklin Research Center, we were informed that the information and format of our letter AEP:NRC:0356D dated February 3, 1981 were acceptable and that the response to your letter should only address items installed after January 1, 1981. Furthermore, we were told that the scope of the submittal as defined in AEP:NRC:0356D was adequate.

The table attached to this letter is the information requested by Items 1.a, b and c. The responses to items 1.d, 2. and 3. are given below.

Item 1.d: The appropriate qualification criteria for the D.C. Cook Plant are the DOR Guidelines. The May 27, 1980 Memorandum and Order (CLI-80-21) only requires that by June 30, 1982 equipment be qualified by DOR or NUREG 0588. Since NUREG 0588 states that "All reactors with Operating Licenses as of May 23, 1980 will be evaluated by the staff against the DOR guidelines...," the D. C. Cook Plant will be evaluated using the DOR guidelines.

Item 2.: The appropriate primary device System Component Evaluation Worksheets are shown on the attached table for the equipment which has

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approved qualification test reports. The qualification documents which have not been already submitted, will be included in our forthcoming letter No. AEP:NRC:0578B to be submitted prior to May 15, 1982.

The items marked "later" will have the System Component Evaluation Worksheets provided following review and approval of the test reports. This plan was chosen since providing a worksheet with only the specification portion completed would not be meaningful.

Item 3.: Requests for extensions were submitted via our letter No. AEP:NRC:0652 dated December 23, 1981 on items II.B.3.2, II.F.1.1, II.F.1.3, II.F.1.6 and II.F.2.3. For items II.K.3.1 and II.K.3.5, we are part of the Westinghouse Owners Group investigation.

2. Additional references requested in Mr. Varga's January 15, 1982 letter

The following items were not included in our submittal No. AEP:NRC: 0578C, dated February 26, 1982. They are attached to this letter.

Attachment	Item	Title
A	"p"	"Flood-up Tube Qual. Packet"
B	"q"	"Instr. Cable Termination Packet"
C	"r"	"Required Time Qual. Analysis"
D	"t" (Unit 1)	"E.Q. for Outside Containment Cable"
E	"v" (Unit 1) "u" (Unit 2)	"Electrical Penetration and Analysis"
F	"s"	"Containment Spray Motor Radiation Qualification"

Items "p", "q", "r" and "s" are the same for both Units.

This document has been prepared following Corporate Procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

R. F. Hering
Vice President

/md

cc: (attached)

cc: John E. Dolan - Columbus
R. W. Jurgensen
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Charnoff
Joe Williams, Jr.
NRC Resident Inspector at Cook Plant - Bridgman
Mr. Cyril J. Crane - Franklin Research Center
R. S. Hunter

TABLE 1

NUREG-0737	SYS.EQPT. NAME	PLT. ID	EQ.REQ	SYS.COMP. EVAL.WORKSHEET REF.FROM AEP NRC:00578B (NOTE 1)
I.D.2	Plt.Sfty Parameter Display	QR-131	No	Not Required
II.B.1	RCS Vents	NSO-21 to 24 NSO-61 to 64	Yes	Later
II.B.3	Post Accident Sampling	None Assigned	No	Not Required
II.D.3	Valve Position Indication	QR-107 Lmt. Swtchs. On NRV-151, 152, 153	Yes Yes	Later LS-1 for Limit Switches
II.E.1.2	AFW Flow Ind.	FFI-210,220, 230, 240	Yes	Later
II.E.4.2.2	Cont.Isol. Dependapility	QCR-301 (Note 2)	Yes	Later
II.F.1.1	Noble Gas Monit.	ERS-1300,1400 2300 & 2400 VRS-1500 & 2500	No	Not Required
II.F.1.2	Iodine Monitor	QR-108	No	Not Required
II.F.1.3	Post Accident CT High Range Area Monitor	VRA-1310,1510 2310 & 2510	Yes	Later
	Upper CT Area Monitor	VRS-1101,1201 2101, 2201	Yes	Later
II.F.1.4	CT Pressure	PPP-300 to 303 PPA-310 to 313	Yes No	I29 & I30 (NOTE 3) Not Required
II.F.1.5	CT Wtr.Level	NLA-310 NLI-311, 320 321	Yes	Later
II.F.1.6	CT Hydrogen Monitor	None Assigned	No	Not Applicable

TABLE 1 (Continued)

NUREG-0737	SYS.EQPT. NAME	PLT. ID	EQ.REQ	SYS.COMP. EVAL.WORKSHEET REF.FROM AEP NRC:00578B (NOTE 1)
II.F.2.1	Subcooling Mtr. (Pressure & Temp. Inputs)	NTR-110 to 140 NTR-210 to 240 NPS-121, 122	Yes	I28 (NTR's) I22 & I23 (NPS Unit 1) I23 & I24 (NPS Unit 2) (NOTE 3)
II.F.2.3	Level Inst.	NLI-110 to 130 111 to 131	Yes	Later
II.G.1	Power Supplies to PZR Relief Valves Block Valves, and Level Indications	NRV-151 to 153 NMO-151 to 153 NLP-151 to 153	Yes	S11-1 (NRV's) V9-1 (NMO's) and I18 (Unit 1) NLP's I19 (Unit 2 NLP's) (NOTE 3)
II.K.3.1	Auto PORV Isol.	NMO-151,152,153	Yes	V9-1 (NOTE 3)
II.K.3.5	Auto Trip of RCS Pumps	Not Applicable	To Be Established	Later
II.K.3.12	Anticipated Trip On Turbine Trip	P-7	No	Not Required

Note 1 Only the primary device System Component Evaluation Worksheet is listed since the cross-reference listing included in AEP:NRC:0578B provides the correlation of associated items such as cable and termination.

Note 2 Containment Isolation Valves for:

a) Item II.B.3: ECR-416, 417, 496, 497, 535 & 536, NCR-105, 106, 109 & 110
b) Item II.F.1.1: ECR-31, 32, 33, 35 & 36
c) Item II.F.1.6: ECR-10 through-29 inclusive

Note 3 Page numbers corresponding to our forthcoming submittal No. AEP:NRC:0578B