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 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

DOCKET #  
 05000315  
 05000316

SUBJECT: Responds to NRC final rule on 10CFR50.49 re electric  
 equipment environ qualification. Right to amend response  
 reserved until meeting w/NRC scheduled to resolve environ  
 qualification deficiencies.

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# INDIANA & MICHIGAN ELECTRIC COMPANY

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May 20, 1983  
AEP:NRC:0775C

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
FINAL RULE ON EQUIPMENT ENVIRONMENTAL QUALIFICATION (10 CFR 50.49)

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 the NRC's final rule 10 CFR 50.49, "Environmental Qualification of Electric Equipment Important to Safety for Nuclear Power Plants" published in the Federal Register, Vol. 48, No. 15, dated January 21, 1983, pp. 2729-2734, and to the clarification letter dated April 27, 1983 (Mr. S. A. Varga of the NRC to our Mr. J. E. Dolan).

More specifically, we read 10 CFR 50.49(g) as requiring that we identify the electric equipment important to safety within the scope of the rule (that is, safety related, non-safety related, and certain post-accident monitoring equipment as defined in 10 CFR 50.49(b)(1) through (b)(3)), and those equipment items which we believe to be already qualified, and to establish a goal of final environmental qualification not to exceed the end of the second refueling outage after March 31, 1982, or by March 31, 1985 (whichever is earlier), for those equipment items for which qualification has not yet been established. Furthermore, the clarification letter referenced above requested us to indicate whether our previous submittals comply with paragraphs (a) and (b) of 10 CFR 50.49, to describe the methods used to identify the non-safety related electric equipment defined by 10 CFR 50.49(b)(2), and to establish any qualification programs not previously described for such non-safety related equipment.

We must first note for the record that we have repeatedly attempted during the past few months to meet with the NRC staff in order to clarify and resolve the environmental qualification "deficiencies" identified in the Technical Evaluation Reports (TERs) prepared by the Franklin Research Center (FRC) under contract to the NRC (see our letter AEP:NRC:0775, dated January 24, 1983). To date, a meeting has not been scheduled so that we could achieve resolution with NRC staff on this important topic. Therefore, we reserve the right to amend this

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response until such time as we may discuss the FRC TERs with your staff and arrive at an understanding of present qualification requirements. Furthermore, if as a result of other activities (either internally generated or in response to other regulatory issues, such as Generic Letter No. 82-33) it is determined that additional equipment should be included within the scope of the final rule and/or it is determined that equipment items identified in Attachment 1 to this letter require upgrading, this letter will be correspondingly amended.

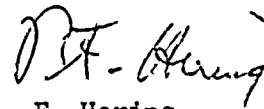
With the above provisos, Attachments 1 through 6 to this letter provide the information requested by 10 CFR 50.49(g) and the NRC clarification letter referenced above. Specifically, Attachment 1 provides a list of equipment which we presently believe to fall within the scope of the environmental qualification final rule. The Attachment provides a listing of equipment manufacturers and model/Plant item numbers, a brief description of each equipment item, Plant identification numbers, a reference to a System Component Evaluation Worksheet (SCEW) in our AEP:NRC:0578B submittal (dated June 11, 1982), and an indication regarding whether the equipment is believed to be qualified or if qualification has not yet been established. Not all of these equipment items (such as certain cables and cable terminations identified as a result of the NUREG-0737 reviews) have been identified in our previous submittals on environmental qualification.

The equipment list in Attachment 1 references, in the case of equipment for which qualification has not yet been established, one or more of the other Attachments to this letter. Specifically, Attachment 2 discusses aging qualification required by Section 7.0 of the DOR Guidelines. Attachment 3 discusses those equipment items presently identified as falling under the scope of our response to Generic Letter No. 82-33 (see our letter No. AEP:NRC:0773, dated April 15, 1983). Attachment 4 discusses certain Resistance Temperature Detectors (RTDs) which will be replaced in connection with the program established to meet the requirements of 10 CFR 50, Appendix R (see our letter No. AEP:NRC:0692E, dated March 31, 1983). Attachment 5 discusses the test qualification program currently underway with regard to our containment spray pump motors manufactured by Reliance Electric. Where applicable, requests for final environmental qualification scheduler extensions under the provisions of 10 CFR 50.49(g) are included in the Attachments to this letter.

Attachment 6 to this letter provides a brief description of the methods used to identify the equipment defined by 10 CFR 50.49(b).

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

Very truly yours,

  
R. F. Hering  
Vice President

RFH/os

cc: J. E. Dolan - Columbus  
R. S. Hunter  
M. P. Alexich  
R. W. Jurgensen  
W. G. Smith, Jr. - Bridgman  
R. C. Callen  
G. Charnoff  
NRC Resident Inspector at Cook Plant - Bridgman

Attachment 1 to AEP:NRC:0775C  
Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
10 CFR 50.49(g) Equipment List

The enclosed table contains a list of those equipment items presently known to be installed at the D. C. Cook Nuclear Plant Unit Nos. 1 and 2 and which we believe to be within the scope of 10 CFR 50.49(b)(1) through (b)(3). The identified equipment items are relied on to remain functional during and following a design basis accident.

For each equipment item identified, the following information is provided in the table:

- (1) AEP:NRC:0578B submittal System Component Evaluation Worksheet (SCEW) reference(s). This reference is not intended to imply that the AEP:NRC:0578B submittal, dated June 11, 1982, provides the most up-to-date qualification data. Rather, the reference is intended to provide guidance with regard to identifying those Plant systems which utilize the equipment item.
- (2) Identification of the D. C. Cook Plant Unit(s) in which the equipment is installed.
- (3) Equipment manufacturer(s).
- (4) Equipment model or Plant item number(s).
- (5) A brief description of the equipment item.
- (6) Plant identification (i.e., tag) number(s).
- (7) An indication as to whether the equipment is qualified, or whether qualification has not yet been established. In the latter case, an entry has been made in the table which references at least one other attachment to this letter. The referenced attachment(s) provides a description of the open item(s) and, when applicable, a request for schedular extension under the provisions of 10 CFR 50.49(g).



DONALD C. COOK NUCLEAR PLANT  
UNIT NOS. 1 AND 2  
10 CFR 50.49(G) EQUIPMENT LIST

AEP:NRC:0576B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL <sup>5</sup> NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	QUALIFICATION STATUS	
						QUALIFIED	QUALIFICATION NOT ESTABLISHED
CC 1	1, 2	Continental	#3119	2/C #12 Cu Control Cable	Various		Attachment 2
CC 2	1, 2	Continental	#3120	4/C #12 Cu Control Cable	Various		Attachment 2
CC 3	1, 2	General Electric	#3120	4/C #12 Cu Control Cable	Various		Attachment 2
CC 4	1, 2	Anaconda	#3120	5/C #12 Cu Control Cable	Various		Attachment 2
CC 5	1, 2	Continental	#3121	7/C #12 Cu Control Cable	Various		Attachment 2
CC 6	1, 2	General Electric	#3121	7/C #12 Cu Control Cable	Various		Attachment 2
CC 7	1, 2	Continental	#3122	12/C #12 Cu Control Cable	Various		Attachment 2
CC 8	1, 2	General Electric	#3122	12/C #12 Cu Control Cable	Various		Attachment 2
CC 9	1, 2	Continental	#3123	15/C #12 Cu Control Cable	Various		Attachment 2
CC 10	1	General Electric	#3123	15/C #12 Cu Control Cable	Various		Attachment 2
CI 1	1	Boston Insulated Wire	#3064	2/C #16 Cu Instrument Cable	Various		Attachment 2
CI 2	1	Rockbestos	#3064	2/C #16 Cu Instrument Cable	Various		Attachment 2
CI 3 (Unit 1) CI 5 (Unit 2)	1, 2	Samuel Moore	#3075	1 STP #16 Cu Instrument Cable	Various		Attachment 2
CI 4 (Unit 1) CI 6 (Unit 2)	1, 2	Continental	#3075	1 STP #16 Cu Instrument Cable	Various		Attachment 2
CI 5 (Unit 1) CI 7 (Unit 2)	1, 2	Boston Insulated Wire	#3075	1 STP #16 Cu Instrument Cable	Various		Attachment 2



AEP:NRC:0578B "SCREW" SHEET NUMBER	D. C. COOK UNIT NO(S)	EQUIPMENT MANUFACTURER	MODEL NUMBER *	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	QUALIFICATION STATUS	
						QUALIFIED	QUALIFICATION NOT ESTABLISHED
CI 8	1, 2	Cerro Wire & Cable	#3077	1 STQ #16 Cu Instrument Cable	Various		Attachment 2
CI 9	1, 2	Samuel Moore	#3077	1 STQ #16 Cu Instrument Cable	Various		Attachment 2
CI 10	1, 2	Continental	#3077	1 STQ #16 Cu Instrument Cable	Various		Attachment 2
CI 11 (Unit 1) CI 15 (Unit 2)	1, 2	HAVEG	N/A	Kapton Insulated Penetration Feed- through Extension Wire	N/A		Attachment 2
CI 12 (Unit 1) CI 16 (Unit 2)	1, 2	HAVEG	N/A	Kapton Insulated Penetration Feed- through Extension Wire	N/A		Attachment 2
CP 1	1	Okonite	#324	3TC #12 Cu Power Cable	Various		Attachment 2
CP 3 (Unit 1) CP 1 (Unit 2)	1, 2	Essex	#324	3TC #12 Cu Power Cable	Various		Attachment 2
CP 4 (Unit 1) CP 6 (Unit 2)	1, 2	Okonite	#399	1/C #2 Cu Power Cable	Various		Attachment 2
CP 5 (Unit 1) CP 12 (Unit 2)	1, 2	Anaconda	#3102	3 1/C #2 Al Power Cable	Various		Attachment 2
CP 6 (Unit 1) CP 8 (Unit 2)	1, 2	Okonite	#3102	3 1/C #2 Al Power Cable	Various		Attachment 2
CP 7 (Unit 1) CP 9 (Unit 2)	1, 2	Anaconda	#3116	3 1/C #10 Cu Power Cable	Various		Attachment 2
CP 8 (Unit 1) CP 10 (Unit 2)	1, 2	Essex	#3116	3 1/C #10 Cu Power Cable	Various		Attachment 2
CP 9 (Unit 1) CP 11 (Unit 2)	1, 2	Kerite	#3116	3 1/C #10 Cu Power Cable	Various		Attachment 2
CP 10 (Unit 1) CP 13 (Unit 2)	1, 2	Anaconda	#3103	3 1/C #2/0 Al Power Cable	Various		Attachment 2
CP 11	1	Kerite	#3127	3 1/C #2 Cu Power Cable	Various		Attachment 2
CP 12 (Unit 1) CP 4 (Unit 2)	1, 2	Cyprus	#347	3 1/C #2 Cu Power Cable	Various		Attachment 2

AEP:NRC:0578B "SCREW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	QUALIFICATION STATUS	
						QUALIFIED	QUALIFICATION NOT ESTABLISHED
CP 13 (Unit 1) CP 5 (Unit 2)	1, 2	Anaconda	#347	3 1/C #2 Cu Power Cable	Various		Attachment 2
CI 11	2	Boston Insulated Wire	#3077	Instrument Cable	Various		Attachment 2
CI 12	2	Raychem	#3111	RG-11 A/U Triax Instrument Cable	Various		Attachment 2
CI 14	2	Continental	#3069	1/C #12 Cu Instrument Cable	Various		Attachment 2
CP 2	2	Cyprus	#324	3 TC #12 Cu Power Cable	Various		Attachment 2
CP 7	2	Cyprus	#3102	3 1/C #2 Al Power Cable	Various		Attachment 2
EP 01	1, 2	Conax Corp.	EP-1	4-kv Electrical Penetration	Various		Attachment 2
EP 02	1, 2	Conax Corp.	EP-2 Through EP-14	600-v and Below Electrical Penetration	Various		Attachment 2
F 1	1, 2	Westinghouse	TBDP	Fan Motors	11V-CEQ-1 11V-CEQ-2		Attachment 2
H 1	1, 2	Westinghouse	N/A	Hydrogen Recombiners	HR-1 HR-2		Attachment 2
I 1, I 12, I 18 (Unit 1); I 1, I 2, I 13, I 19 (Unit 2)	1, 2	ITT Barton	W 764 Lot 1 W 764 Lot 2	Differential Pressure Transmitter	BLP-110, 111, 112, 120, 121, 122, 130, 131, 132, 140, 141, 142 MFC-110, 111, 120, 121, 130, 131, 140, 141 NLP-151, 152, 153		Attachment 2
I 3 (Unit 1) I 4 (Unit 2)	1, 2	Foxboro	E13DM- HSAH1 (MCA)	Differential Pressure Transmitter	FFC-210, 211, 220, 221, 230, 231, 240, 241		Attachment 2
I 4 (Unit 1) I 5 (Unit 2)	1, 2	Foxboro	NE13-DM-II- I-MI-D	Differential Pressure Transmitter	FFI-210, 220, 230, 240		Attachment 3

AEP:NRC:057&B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	QUALIFICATION STATUS	
						QUALIFIED	QUALIFICATION NOT ESTABLISHED
I 1 4 (Unit 1) I 1 5 (Unit 2)	1, 2	Foxboro	EHGM- H5AE1 (MCA)	Pressure Transmitter	MPP-210, 211, 220, 221, 230, 231, 240, 241		Attachment 2
I 19, I 20, I 21, I 22, I 23, I 24 (Unit 1); I 20, I 21, I 22, I 23, I 24, I 25 (Unit 2)	1, 2	ITT Barton	W 763 Lot 1 W 763 Lot 2	Pressure Transmitter	NPP-151, 152, 153 NPS-121, 122, 153		Attachment 2
I 25, I 26, I 27 (Unit 1); I 26, I 27 (Unit 2)	1, 2	H. E. Sostman or Rosemount	11834 B or 176 KF, Respectively	Resistance Temperature Detector	NTP-110, 111, 120, 121, 130, 131, 140, 141, 210, 211, 220, 221, 230, 231, 240, 241		Attachment 2
I 2 8	1, 2	H. E. Sostman or Rosemount	11901 B or 176 KS, Respectively	Resistance Temperature Detector	NTR-110, 120, 130, 140, 210, 220, 230, 240		Attachment 4
L 5 1	1, 2	NAMCO	EA180	Limit Switch	Limit switches for NRV-151, 152, 153		Attachment 2
M 1	1, 2	Westinghouse	5808Z, 5009H, 5009-P24	Pump Motor	PP-050, PP-026, PP-035		Attachment 2
M 2	1, 2	Reliance	Frame #5810P	Pump Motor	PP-009		Attachment 2 Attachment 2
S 3	1, 2	ASCO	206-381- 2RVU	Solenoid Valve	XSO-291, 292, 293, 294, 295, 296, 297, 298		Attachment 2
S 11, S 17; "N/A" for XSO-320	1, 2	ASCO	NP-8316- 54V	Solenoid Valve	XSO-12, 21, 121, 122, 123, 124, 125, 126, 127, 320, 503, 505, 507		Attachment 2

AEP: NRC: 0578B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER.	MODEL NUMBER*	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	QUALIFICATION STATUS	
						QUALIFIED	QUALIFICATION NOT ESTABLISHED
TC1, TC2, TC3, TC4, TC10, TC11, TC12, TC14	1, 2	N/A	N/A	Control Cable Termination At Valve Operator Limit Switches	N/A		Attachment 2
TC6, TI3, TP1	1, 2	N/A	N/A	Solid Kapton Spliced To Stranded Kapton Inside Flood-Up Tube	N/A		Attachment 2
TC7, TI4, TP2	1, 2	N/A	N/A	Stranded Kapton Spliced To Field Cable At Flood-Up Terminal Box	N/A		Attachment 2
TC8	1, 2	N/A	N/A	Field Cable Splice At Termination Near Valve Actuator Or Solenoid	N/A		Attachment 2
TC13	1, 2	N/A	N/A	Cable Termination At Terminal Block	N/A		Attachment 2
TC17	1, 2	Conax	N/A	NAMCO Limit Switch Cable Termination Szel Assembly	FT-37		Attachment
TI1, TI9	1, 2	N/A	N/A	Barton Instrument Connection	N/A		Attachment 2
TI2	1, 2	N/A	N/A	Connection To RTD Pigtailed	N/A		Attachment 2
TI5, TI10	1, 2	N/A	N/A	Foxboro Instru- ment Connection	N/A		Attachment 2
TI8	1, 2	N/A	N/A	Instrument Field Cable Splice To Penetration Feedthrough Wire	N/A		Attachment 2



AEP:NRC:0578B "SCREW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL * NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	QUALIFICATION STATUS	
						QUALIFIED	QUALIFICATION NOT ESTABLISHED
TP 3, TP 5, TP 6	1, 2	N/A	N/A	Termination At Valve Motors, Fan Motors, And Hydrogen Recombiner	N/A		Attachment 2
TP 4	1, 2	N/A	N/A	Power Cable Termination At Pump Motor	N/A		Attachment 2
V 1, V 2, V 4, V 5, V 6, V 7, V 9, V 10, V 11	1, 2	Limitorque	SMB-1, SMB-00, SMB-2, SMB-000	Valve Motor Operators	Various (84 Different Tag Numbers)		Attachment 2
N/A	1, 2	Raychem	#3074	RG 11 U Cable	Various		Attachment 2
N/A	1, 2	Brand Rex	#3074	RG 11 U Cable	Various		Attachment 2
N/A	1, 2	Raychem	#3112	RG 11 AU Cable	Various		Attachment 2
N/A	1, 2	Brand Rex	#3112	RG 11 AU Cable	Various		Attachment 2
N/A	1, 2	Brand Rex	#3059	RG 59 B/U Cable	Various		Attachment 2
N/A	1, 2	Raychem	#3059	RG 59 B/U Cable	Various		Attachment 2
N/A	1, 2	AEP Design & Conax Corp.	N/A	Cable Termina- tion at RMS Detectors	N/A		Attachment 2
N/A	1, 2	AEP Design & Conax Corp.	N/A	Cable Termina- tion at Charge Converter (Acoustic Mon- itors	N/A		Attachment 2
N/A	1, 2	ITT Barton	W 764, 764	Differential Pressure Transmitters	NLA-310 NLI-110,120,130, 111,121,131, 311,320,321		Attachment 3

AEP:NRC:057&B "SCREW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL* NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	QUALIFICATION STATUS	
						QUALIFIED	QUALIFICATION NOT ESTABLISHED
N/A	1, 2	Target Rock Corp.	79AB-007	Solenoid Actuated Globe Valve	NSO-021, 022, 023, 024, 061, 062, 063, 064		Attachment 3
N/A	1, 2	Technology for Energy; Endevco (via TEC)	500, 501A; 2273A, 2273AM1, 3075M6-36	Acoustic Valve Flow Monitoring System Compon- ents	QR-107A, 107B, 107D, 107C		Attachment 3
N/A	1, 2	Victoreen	877-1	RMS Detector	VRA-1310, 1410 (Unit 1); VRA-2310, 2410 (Unit 2)		Attachment 3
N/A	1, 2	Eberline	DAI-6CC	RMS Detector	VRS-1101, 1201 (Unit 1); VRS-2101, 2201 (Unit 2)		Attachment 3

\*Note: Plant "Item" Numbers Are, In Some Cases,  
Presented Instead Of "Model" Numbers.

Attachment 2 to AEP:NRC:0775C  
Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Aging Qualification

In Attachment 7 to the AEP:NRC:0578B submittal dated June 11, 1982, we committed to perform an aging analysis and to establish a surveillance/maintenance/replacement program (based on the results of the aging analysis) for equipment installed in a potentially harsh environment and within the scope of IE Bulletin No. 79-01B. To this end, we have contracted the services of EDS Nuclear, Inc., to perform the aging analysis and, after review of D. C. Cook Nuclear Plant surveillance and maintenance procedures, to propose the necessary changes to these procedures so that a surveillance/maintenance/replacement program will be established to bring the Plant into compliance with Section 7.0 of the DOR Guidelines (Enclosure 4 to IE Bulletin No. 79-01B, transmitted via letter dated January 16, 1980, J. G. Keppler to J. E. Dolan).

In accordance with 10 CFR 50.49(g), we note that the schedule for final environmental qualification of equipment items should, whenever possible, establish a goal of qualification by the end of the second refueling outage after March 31, 1982, or by March 31, 1985, whichever is earlier. The applicable dates for the D. C. Cook Nuclear Plant Unit Nos. 1 and 2 are approximately September 1, 1983, and April 1, 1984, respectively, based on recent estimates of refueling outage schedules.

At present, we do not know how many Plant surveillance and maintenance procedures will have to be revised as a result of the aging analysis findings. It is presently anticipated; however, that the aging analysis and input to be used in the revision of the surveillance and maintenance procedures will be completed by EDS Nuclear, Inc., on or before August 31, 1983. A complete revision to the D. C. Cook Nuclear Plant surveillance and maintenance procedures and the establishment of the surveillance/maintenance/replacement program will be completed by November 30, 1985.

Therefore, under the provisions of 10 CFR 50.49(g), we hereby request a schedular extension to November 30, 1985, for the establishment of a surveillance/maintenance/replacement program at the D. C. Cook Nuclear Plant. This request for extension applies to all those equipment items identified in Attachment 1 to this letter for which "Attachment 2" has been entered in the "Qualification Not Established" column.

Attachment 3 to AEP:NRC:0775C  
Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Generic Letter 82-33 and Regulatory Guide 1.97 (Rev. 2)  
Equipment Items

Attachment 1 to this letter identifies certain equipment items for which "Attachment 3" has been entered in the "Qualification Not Established" column. The equipment items so identified are currently being reviewed in light of the guidance contained in Regulatory Guide 1.97, Revision 2, and under the requirements of Generic Letter 82-33 (which provides for incorporation of this review into the integrated program established by NUREG-0737, Supplement 1).

As committed to by our letter AEP:NRC:0773, dated April 15, 1983, we will provide the NRC staff with a review and replacement schedule (if any) six (6) months following implementation of new Emergency Operating Procedures. Until such time as these tasks are completed and the qualification test reports are received and reviewed for acceptability, a final schedule for qualification cannot be developed. The replacement schedule (if any) will, however, consider procurement lead times, test complications, installation problems, etc.

Therefore, in accordance with the provisions of 10 CFR 50.49 (g), a request for schedular extension of final qualification to November 30, 1985, is hereby made for those equipment items identified as relating to Generic Letter 82-33, Supplement 1 to NUREG-0737, and Revision 2 to Regulatory Guide 1.97. This request for schedular extension applies to both Units of the D. C. Cook Nuclear Plant.

Furthermore, if (as a result of these reviews) additional equipment items are identified as being within the scope of the final rule and/or that equipment presently identified in Attachment 1 to this letter requires upgrading, this submittal will be amended.

Attachment 4 to AEP:NRC:0775C  
Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
RTD Replacement

The H. E. Sostman Model #11901B and Rosemount Model #176KS Resistance Temperature Detectors (RTDs) identified in our AEP:NRC:0578B submittal (see the System Component Evaluation Worksheet, "SCEW" I28) are being replaced in connection with the program established to meet the requirements of 10 CFR 50, Appendix R. As noted in our letter AEP:NRC:0692E, dated March 31, 1983, completion of this task is scheduled for August 1985.

Therefore, in accordance with the provisions of 10 CFR 50.49(g), a schedular extension to September 1, 1985, is hereby requested for final qualification of the RTDs identified above. This request is applicable to both Units of the D. C. Cook Nuclear Plant.

Attachment 5 to AEP:NRC:0775C  
Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Reliance Pump Motor Qualification

An engineering review has been conducted to ascertain the environmental qualification for the Reliance Electric containment spray pump motor, in order to determine if this motor is qualified to perform its safety function in the radiation environment outside containment (following a LOCA inside containment).

Although the engineering review indicates that the pump motor will perform satisfactorily, the motor manufacturer has offered to perform a radiation test on a motorette built in the same fashion and with the same materials as those of the installed D. C. Cook Plant motor. The test is not yet complete. Reliance Electric has, however, informed us that test results will be available prior to August 31, 1983. As such, a request for schedular extension is not being requested at this time.

Attachment 6 to AEP:NRC:0775C  
Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Methods Used To Identify 10 CFR 50.49(b) Equipment

As required by 10 CFR 50.49(g), Attachment 1 to this letter contains a list of those equipment items presently known to be within the scope of 10 CFR 50.49(b)(1) through (b)(3). The identified equipment items are relied upon to remain functional during and following a design basis accident.

The actions taken to develop this list consisted of those initial actions performed for our AEP:NRC:0578B submittal (as described in Attachment 6 to that submittal), review of NUREG-0737 requirements regarding environmental qualification, and reconfirmation of postulated environments by review of the appropriate FSAR sections.

For each device identified as being relied upon to remain functional (i.e., pump and fan motors, solenoids, hydrogen recombiners, valve motor operators, etc.), the corresponding electrical installation which would have to withstand the harsh environment (i.e., cables, cable terminations, limit switches, etc.) was identified. These electrical installations have been incorporated into the equipment list in Attachment 1 to this letter.

To date, our review of electrical installations serving safety or non-safety related actuating or monitoring devices has been limited to those devices which have been identified as falling within the scope of IE Bulletin No. 79-01B or 10 CFR 50.49(b)(1) through (b)(3).



1-1-1