

OCT 24 1983

Docket Nos. 50-315  
and 50-316

Mr. John Dolan, Vice President  
Indiana and Michigan Electric Company  
c/o American Electric Power Service Corporation  
1 Riverside Plaza  
Columbus, Ohio 43216

Dear Mr. Dolan:

DISTRIBUTION:

Docket file  
NRC PDR  
Local PDR  
ORB#1 reading  
DEisenhut  
OELD  
EJordan  
TBarnhart  
ACRS, 10  
OPA, CMiles  
JTaylor

SECY

This is in response to the Indiana and Michigan Electric Company's (IMEC) letters dated May 20, 1983, August 10, 1983, and September 26, 1983 which requested an extension of the deadline for final environmental qualification of certain Donald C. Cook Nuclear Plant electrical equipment. In these IMEC letters, the specific equipment has been identified, reasons for the delays discussed, and dates provided by which time the equipment is to be fully qualified. In addition, our staffs met on September 13, 1983 and as a result of the meeting, IMEC will document the discussions and agreements of the meeting and this documentation will serve as a basis for our review of the remainder of your equipment qualification program.

Under the regulations in 10 CFR 50.49 which were published in the Federal Register on January 21, 1983 and made effective February 22, 1983, licensees of power reactors are required, among other things, to submit a schedule for either the qualification or replacement of, to the provisions of 50.49, the remaining electrical equipment important to safety not already identified as qualified. This schedule must establish a goal of final qualification of the electric equipment by the end of the second refueling outage after March 31, 1982 or by March 31, 1985 whichever is earlier. The regulations allow for the granting of requests for extension of this deadline by the Director, Office of Nuclear Reactor Regulation, to a date no later than November 30, 1985 for specified pieces of equipment if these requests are filed on a timely basis and demonstrate good cause for the extension, such as procurement lead time, test complications and installation problems. According to your submittals, the second refueling outage after March 31, 1982 for Donald C. Cook Nuclear Plant Unit No. 1 will end in early October 1983 and for Unit 2 will end approximately March 1984.

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PDR ADOCK 05000315  
P PDR

1942

1. The first part of the report deals with the general situation of the country and the progress of the war. It is a very interesting and informative account of the events of the year.

2. The second part of the report deals with the economic situation of the country. It is a very detailed and accurate account of the economic conditions of the year.

3. The third part of the report deals with the social situation of the country. It is a very thorough and comprehensive account of the social conditions of the year.

4. The fourth part of the report deals with the political situation of the country. It is a very clear and concise account of the political conditions of the year.

5. The fifth part of the report deals with the military situation of the country. It is a very detailed and accurate account of the military conditions of the year.

6. The sixth part of the report deals with the cultural situation of the country. It is a very thorough and comprehensive account of the cultural conditions of the year.

7. The seventh part of the report deals with the educational situation of the country. It is a very detailed and accurate account of the educational conditions of the year.

8. The eighth part of the report deals with the health situation of the country. It is a very thorough and comprehensive account of the health conditions of the year.

9. The ninth part of the report deals with the labor situation of the country. It is a very detailed and accurate account of the labor conditions of the year.

10. The tenth part of the report deals with the foreign relations of the country. It is a very thorough and comprehensive account of the foreign relations of the year.

In the letter dated September 26, 1983, IMEC is requesting an extension until March 31, 1985 for the Donald C. Cook Nuclear Plant Unit Nos. 1 and 2 equipment identified in the enclosure. IMEC has also requested until June 3, 1984 to complete the documentation files to assure complete traceability on a few remaining items and until June 3, 1984 to obtain or review the actual test reports on various lubricants. For all of the items in the attachment, the principal deficiency is aging and specifically, the development of surveillance, maintenance, and replacement procedures based on your near-complete aging analysis. The acceptance of your request for extension due to aging is also supported by your commitment to establish an expedited program to replace non-qualified equipment or to provide alternate measures to ensure accomplishment of the safety function while the detailed procedures are being written. The resistance temperature detectors, in addition to aging, are subject to confirmation that chemical spray conditions were included with the qualification tests. Some Barton pressure transmitters identified in the enclosure remain to be fully qualified because of outstanding submergence questions and additional tests or relocation may still be required. Specific instrumentation and control cables were tested but because of the nature and duration of tests and as a result of reanalysis, some additional testing, replacement or relocation may be required.

The extensions requested in the above referenced IMEC letters fall within the allowable extensions anticipated by the rule. Since the installation and modification schedules for much of the electric equipment for which you request extensions was established well in advance of the publication of the final rule and the requested extensions for the remainder of the electric equipment are based upon unforeseen delays in obtaining qualification test data and identification of equipment requiring qualification, your requested extensions appear to demonstrate good cause.

In the September 26, 1983 letter, IMEC noted for much of the equipment that the results of tests and actual replacement or installation in Unit 2 may exceed the requested extension date of March 31, 1985 due to the refueling schedules. Every attempt should be made by IMEC to complete the qualification program within the time period approved. IMEC also addressed the possibility that the new resistance temperature detectors (RTD) to satisfy the fire protection, Appendix R, review may not be installed in Unit 2 before the March 31, 1985 extension date. The existing RTDs should be qualified and as new or replacement equipment is installed, it should be qualified or the licensee notify the NRC in accordance with paragraph (h) of 10 CFR 50.49. In regards to equipment to satisfy Regulatory Guide 1.97 (Rev. 2), the IMEC position in the September 26, 1983 letter is correct for equipment not yet identified by IMEC to satisfy R.G. 1.97 (Rev. 2) criteria. Existing equipment should be qualified to satisfy existing requirements and the licensee, as discussed, should follow the provisions of paragraph (h) of 10 CFR 50.49 as the results of R.G. 1.97 (Rev. 2) analysis dictate.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. The text also mentions the need for regular audits to ensure the integrity of the financial data. Furthermore, it highlights the role of the accounting department in providing timely and accurate information to management for decision-making purposes. The document concludes by stating that adherence to these principles is essential for the long-term success of the organization.

The second part of the document details the specific procedures for recording and reconciling accounts. It outlines the steps for posting journal entries to the general ledger and performing a trial balance. The text also describes the process of reconciling bank statements with the company's records. Additionally, it discusses the importance of maintaining separate records for different departments or projects to facilitate cost allocation and budgeting. The document ends with a reminder to always double-check calculations and maintain a clear audit trail.

The third part of the document provides an overview of the financial reporting process. It explains how the accumulated data from the accounting system is used to prepare the income statement, balance sheet, and cash flow statement. The text also discusses the significance of these reports for stakeholders, including investors, creditors, and management. Furthermore, it touches upon the requirements for financial reporting under various regulatory frameworks. The document concludes by encouraging transparency and accountability in all financial reporting activities.

Based on the foregoing, I find that your request for extension was filed in a timely basis and demonstrates good cause for an extension of time to complete final environmental qualification of the specified equipment. An extension is therefore granted for Donald C. Cook Nuclear Plant Unit Nos. 1 and 2 until March 31, 1985 for the items in the enclosure and until June 3, 1984 to complete documentation of items and to obtain or review actual test reports on various lubricants.

Sincerely,

Original Signed by  
H. R. Denton

Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

OK

*[Handwritten signature]*  
10/24

ORB#1:DL  
CParrish  
10/11/83

DE  
RVollmer  
10/14/83

*[Handwritten initials]*

ORB#1:DL  
DWigginton/dn  
10/6/83

*[Handwritten initials]*

ORB#1:DL  
SVarga  
10/11/83

*[Handwritten initials]*

AD-OR:DL  
GLainas  
10/12/83

*[Handwritten initials]*

OELD  
WShields  
10/19/83

*[Handwritten initials]*

D. Eisenhut  
10/20/83

*[Handwritten initials]*

H. Denton  
10/24/83

*[Handwritten initials]*

ORAB  
JCalvo  
10/12/83

*[Handwritten initials]*

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for ensuring the integrity of the financial statements and for providing a clear audit trail. The text also mentions that proper record-keeping is essential for identifying and correcting errors in a timely manner.

2. The second part of the document outlines the various methods used to collect and analyze data. It describes how different types of information are gathered and how they are processed to generate meaningful insights. This section highlights the importance of using reliable data sources and employing appropriate analytical techniques.

3. The final part of the document provides a summary of the key findings and conclusions. It reiterates the importance of the data and the methods used, and offers recommendations for future research and practice. The text concludes by stating that the information presented is intended to provide a comprehensive overview of the current state of the field and to guide further exploration.

Mr. John Dolan  
Indiana and Michigan Electric Company

cc: Mr. M. P. Alexich  
Vice President -  
Nuclear Engineering  
American Electric Power  
Service Corporation  
1 Riverside Plaza  
Columbus, Ohio 43215

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

W. G. Smith Jr., 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

The Honorable Tom Corcoran  
United States House of Representatives  
Washington, D. C. 20515

James G. Keppler  
Regional Administrator - Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

ENCLOSURE 1  
October 4, 1983

DONALD C. COOK NUCLEAR PLANT

UNIT NOS. 1 AND 2

10 CFR 50.49(G) EQUIPMENT LIST

The equipment on this list is being qualified by aging analysis. Additional deficiencies are noted for specific equipment items. All qualifications are currently scheduled to be complete before March 31, 1985.

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

AEP:NRC:0576B "SCREW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL* NUMBER	EQUIPMENT DESCRIPTION	PLANT ID. NUMBER(S)	ADDITIONAL DEFICIENCIES
CC1	1, 2	Continental	#3119	2/C #12 Cu Control Cable	Various	
CC2	1, 2	Continental	#3120	4/C #12 Cu Control Cable	Various	
CC3	1, 2	General Electric	#3120	4/C #12 Cu Control Cable	Various	
CC4	1, 2	Anaconda	#3120	5/C #12 Cu Control Cable	Various	
CC5	1, 2	Continental	#3121	7/C #12 Cu Control Cable	Various	
CC6	1, 2	General Electric	#3121	7/C #12 Cu Control Cable	Various	
CC7	1, 2	Continental	#3122	12/C #12 Cu Control Cable	Various	
CC8	1, 2	General Electric	#3122	12/C #12 Cu Control Cable	Various	
CC9	1, 2	Continental	#3123	15/C #12 Cu Control Cable	Various	
CC10	1	General Electric	#3123	15/C #12 Cu Control Cable	Various	
CI1	1	Boston Insulated Wire	#3064	2/C #16 Cu Instrument Cable	Various	
CI2	1	Rockbestos	#3064	2/C #16 Cu Instrument Cable	Various	
CI3 (Unit 1) CI5 (Unit 2)	1, 2	Samuel Moore	#3075	1 STP #16 Cu Instrument Cable	Various	} NOTE 1
CI4 (Unit 1) CI6 (Unit 2)	1, 2	Continental	#3075	1 STP #16 Cu Instrument Cable	Various	
-CI5 (Unit 1) CI7 (Unit 2)	1, 2	Boston Insulated Wire	#3075	1 STP #16 Cu Instrument Cable	Various	} NOTE 1
	1, 2	Samuel Moore	#3121	7/C #12 Cu cable	Various	

AEP:NRC:0578B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S)	EQUIPMENT MANUFACTURER	MODEL * NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)
CI 8	1, 2	Cerro Wire & Cable	#3077	1 STQ #16 Cu Instrument Cable	Various
CI 9	1, 2	Samuel Moore	#3077	1 STQ #16 Cu Instrument Cable	Various
CI 10	1, 2	Continental	#3077	1 STQ #16 Cu Instrument Cable	Various
CI 11 (Unit 1) CI 15 (Unit 2)	1, 2	HAVEG	N/A	Kapton Insulated Penetration Feed- through Extension Wire	N/A
CI 12 (Unit 1) CI 16 (Unit 2)	1, 2	HAVEG	N/A	Kapton Insulated Penetration Feed- through Extension Wire	N/A
CP 1	1	Okonite	#324	3TC #12 Cu Power Cable	Various
CP 3 (Unit 1) CP 1 (Unit 2)	1, 2	Essex	#324	3TC #12 Cu Power Cable	Various
CP 4 (Unit 1) CP 6 (Unit 2)	1, 2	Okonite	#399	1/C #2 Cu Power Cable	Various
CP 5 (Unit 1) CP 12 (Unit 2)	1, 2	Anaconda	#3102	3 1/C #2 Al Power Cable	Various
CP 6 (Unit 1) CP 8 (Unit 2)	1, 2	Okonite	#3102	3 1/C #2 Al Power Cable	Various
CP 7 (Unit 1) CP 9 (Unit 2)	1, 2	Anaconda	#3116	3 1/C #10 Cu Power Cable	Various
CP 8 (Unit 1) CP 10 (Unit 2)	1, 2	Essex	#3116	3 1/C #10 Cu Power Cable	Various
CP 9 (Unit 1) CP 11 (Unit 2)	1, 2	Kerite	#3116	3 1/C #10 Cu Power Cable	Various
CP 10 (Unit 1) CP 13 (Unit 2)	1, 2	Anaconda	#3103	3 1/C #2/0 Al Power Cable	Various
CP 11	1	Kerite	#3127	3 1/C #2 Cu Power Cable	Various
CP 12 (Unit 1) CP 4 (Unit 2)	1, 2	Cyprus	#347	3 1/C #2 Cu Power Cable	Various

AEP:NRC:057&B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL* NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	ADDITIONAL DEFICIENCIES
CP 13 (Unit 1) CP 5 (Unit 2)	1, 2	Anaconda	#347	3 1/C #2 Cu Power Cable	Various	
CI 11	2	Boston Insulated Wire	#3077	Instrument Cable	Various	
CI 12	2	Raychem	#3111	RG-11 A/u Triax Instrument Cable	Various	
CI 14	2	Continental	#3069	1/C #12 Cu Instrument Cable	Various	
CP 2	2	Cyprus	#324	3 TC #12 Cu Power Cable	Various	
CP 7	2	Cyprus	#3102	3 1/C #2 Al Power Cable	Various	
EPO 1	1, 2	Conax Corp.	EP-1	4-kv Electrical Penetration	Various	
EPO 2	1, 2	Conax Corp.	EP-2 Through EP-14	600-v and Below Electrical Penetration	Various	
F 1	1, 2	Westinghouse	TBDP	Fan Motors	11V-CEQ-1 11V-CEQ-2	
H 1	1, 2	Westinghouse	N/A	Hydrogen Recombiners	HR-1 HR-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 NI-P-151, 152, 153	} NOTE 2
I 3 (Unit 1) I 4 (Unit 2)	1, 2	Foxboro	E13DM- HSAHI (MCA)	Differential Pressure Transmitter	FFC-210, 211, 220, 221, 230, 231, 240, 241	
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	

AEP:NRC:0578B "SCREW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	ADDITIONAL DEFICIENCIES
I 1 4 (Unit 1) I 1 5 (Unit 2)	1, 2	Foxboro	E11GM- 115AE1 (MCA)	Pressure Transmitter	MPP-210,211,220, 221,230,231, 240,241	} NOTE 2  } NOTE 3
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	
I 25, I 26, I 27 (Unit 1); I 26, I 27 (Unit 2)	1, 2	H. E. Sostman or Rosemount	11834B or 176KF, Respectively	Resistance Temperature Detector	NTP-110, 111, 120, 121, 130, 131, 140, 141, 210, 211, 220, 221, 230, 231, 240, 241	
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	
L 5 1	1, 2	NAMCO	EA180	Limit Switch	Limit switches for NRV-151, 152, 153	
M 1	1, 2	Westinghouse	5808Z, 5009H, 5009-P24	Pump Motor	PP-050, PP-026, PP-035	
M 2	1, 2	Reliance	Frame #5810P	Pump Motor	PP-009	
S 3	1, 2	ASCO	206-381- 2RVU	Solenoid Valve	XSO-291, 292, 293, 294, 295, 296, 297, 298	
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	

AEP:NRC:0578B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL * NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	ADDITIONAL DEFICIENCIES	
TC1, TC2, TC3, TC4, TC10, TC11, TC12, TC14	1, 2	N/A	N/A	Control Cable Termination At Valve Operator Limit Switches	N/A		
TC6, TI3, TP1	1, 2	N/A	N/A	Solid Kapton Spliced To Stranded Kapton Inside Flood-Up Tube	N/A		
TC7, TI4, TP2	1, 2	N/A	N/A	Stranded Kapton Spliced To Field Cable At Flood-Up Terminal Box	N/A		
TC8	1, 2	N/A	N/A	Field Cable Splice At Termination Near Valve Actuator Or Solenoid	N/A		
TC13	1, 2	N/A	N/A	Cable Termination At Terminal Block	N/A		
TC17	1, 2	Conax	N/A	NAMCO Limit Switch Cable Termination Seal Assembly	FT-37		
TI1, TI9	1, 2	N/A	N/A	Barton Instrument Connection	N/A	} NOTE 1	
TI2	1, 2	N/A	N/A	Connection To RTD Pigtails	N/A		
TI5, TI10	1, 2	N/A	N/A	Foxboro Instru- ment Connection	N/A		
TI8	1, 2	N/A	N/A	Instrument Field Cable Splice To Penetration Feedthrough Wire	N/A		

AEP:NRC:0578B "SCREW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL* NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)
TP3, TP5, TP6	1, 2	N/A	N/A	Termination At Valve Motors, Fan Motors, And Hydrogen Recombiner	N/A
TP4	1, 2	N/A	N/A	Power Cable Termination At Pump Motor	N/A
V1, V2, V4, V5, V6, V7, V9, V10, V11	1, 2	Limitorque	SMB-1, SMB-00, SMB-2, SMB-000	Valve Motor Operators	Various (64 Different Tag Numbers)
N/A	1, 2	Raychem	#3074	RG 11 U Cable	Various
N/A	1, 2	Brand Rex	#3074	RG 11 U Cable	Various
N/A	1, 2	Raychem	#3112	RG 11 AU Cable	Various
N/A	1, 2	Brand Rex	#3112	RG 11 AU Cable	Various
N/A	1, 2	Brand Rex	#3059	RG 59 B/U Cable	Various
N/A	1, 2	Raychem	#3059	RG 59 B/U Cable	Various
N/A	1, 2	AEP Design & Conax Corp.	N/A	Cable Termina- tion at RMS Detectors	N/A
N/A	1, 2	AEP Design & Conax Corp.	N/A	Cable Termina- tion at Charge Converter (Acoustic Mon- itors)	N/A
N/A	1, 2	ITT Barton	W 764, 764	Differential Pressure Transmitters	NLA-310 NLI-110, 120, 130, 111, 121, 131, 311, 320, 321



AEP:NRC:057&B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL* NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)
N/A	1, 2	Target Rock Corp.	79AB-007	Solenoid Actuated Globe Valve	NSO-021, 022, 023, 024, 061, 062, 063, 064
N/A	1, 2	Technology for Energy; Endevco (via TEC)	500, 504A; 2273A, <sup>2</sup> 2273AM1, 3075M6-36	Acoustic Valve Flow Monitoring System Compon- ents	QR-107A, 107B, 107D, 107C
N/A	1, 2	Victoreen	877-1	RMS Detector	VRA-1310, 1410 (Unit 1); VRA-2310, 2410 (Unit 2)
N/A	1, 2	Eberline	DAI-6CC	RMS Detector	VRS-1101, 1201 (Unit 1); VRS-2101, 2201 (Unit 2)

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

NOTE 1 - ADEQUACY OF EXISTING TEST FOR 4 MONTH OPERATION  
IN CONTAINMENT AND NEW TESTS OR RELOCATION.

NOTE 2 - SUBMERGENCE

NOTE 3 - CHEMICAL SPRAY IN TESTS.

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