OCT 24 1983

Docket Nos. 50-315
and 50-316

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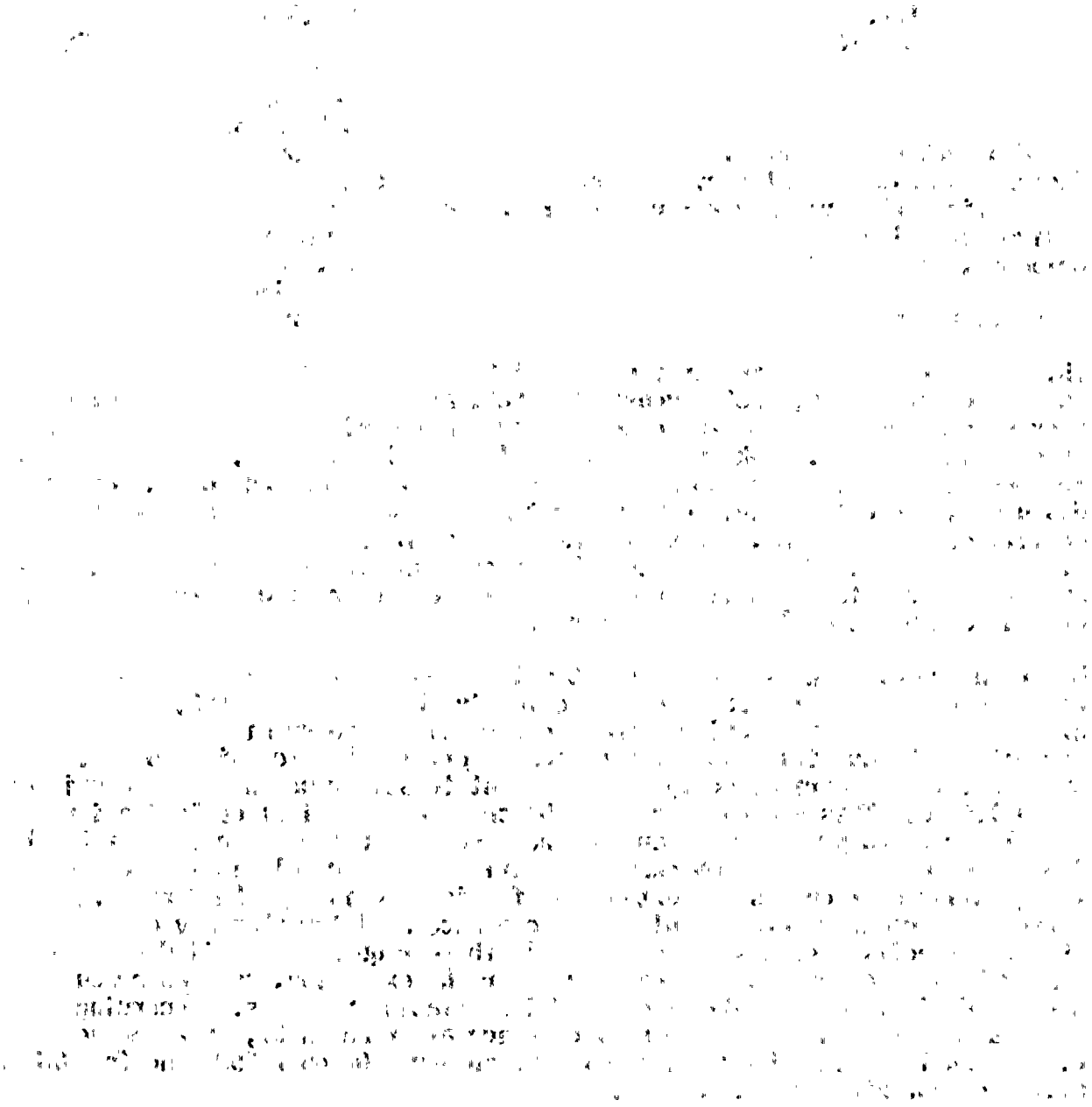
Mr. John Dolan, Vice President
Indiana and Michigan Electric Company
c/o American Electric Power Service Corporation
1 Riverside Plaza
Columbus, Ohio 43216

Dear Mr. Dolan:

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.

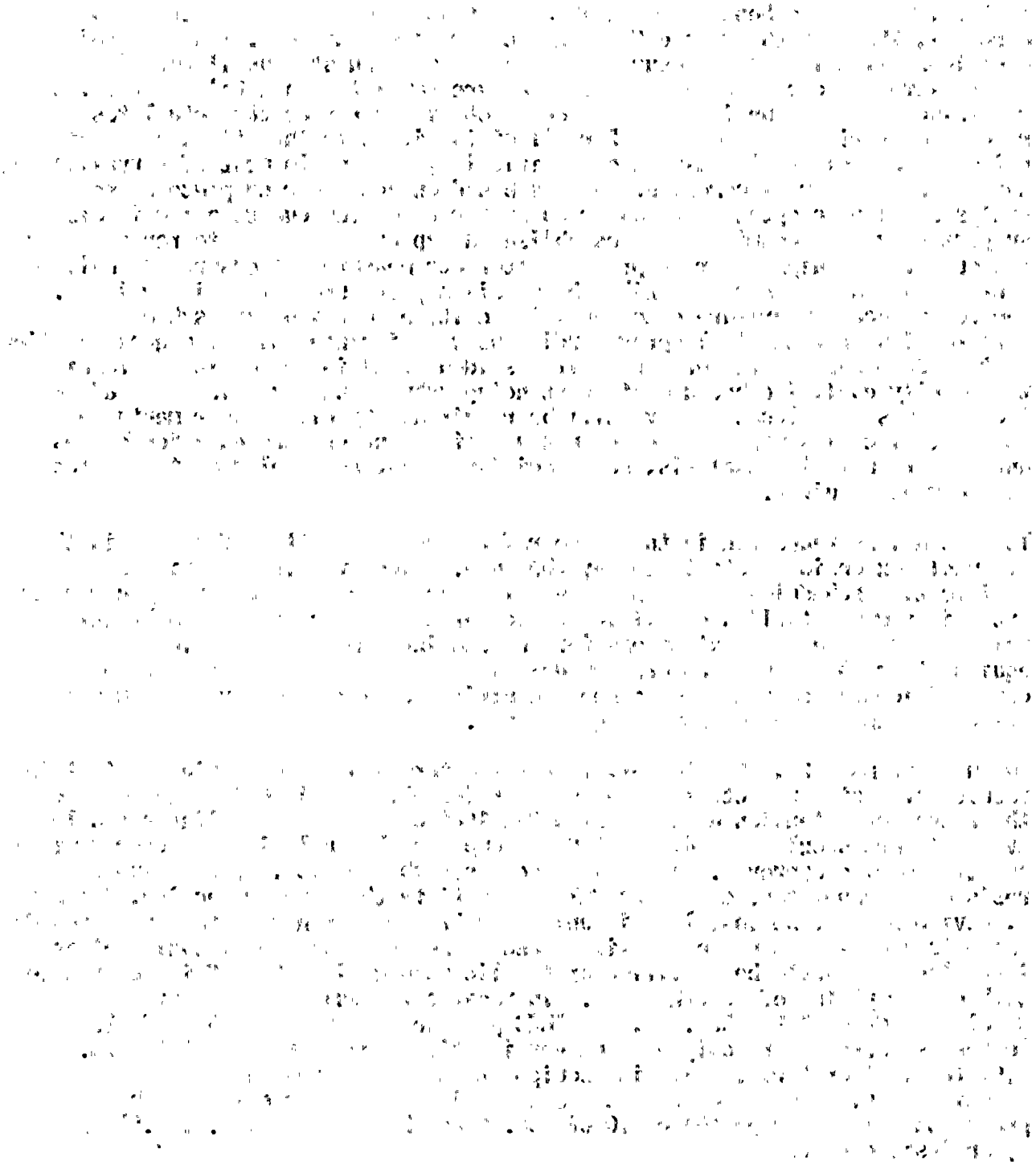
Under the regulations in 10 CFR 50.49 which were published in the Federal Register on Januay 21, 1983 and made effective February 22, 1983, licensees of power reactors are required, among other things, to submit a schedule for either the qualification or replacement of, to the provisions of 50.49, the 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.



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 qualificaton 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.



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

ORB#1:DL	ORB#1:DL	ORB#1:DL	AD-OR:DL	OELD	D:DL	D:MRR	ORAB
CParrish	DWigginton/dn	SVarga	GLainas	WShields	DEisenhut	HDenton	JCalvo
10/11/83	10/6/83	10/11/83	10/12/83	10/19/83	10/20/83	10/24/83	10/12/83

DE
RVollmer
10/14/83

Mr. John Dolan
Indiana and Michigan Electric Company

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

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Shaw, Pittman, Potts and Trowbridge
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Donald C. Cook Nuclear Plant
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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 "SCEW" 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 Elcctric	#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)
CI8	1, 2	Cerro Wire & Cable	#3077	1 STQ #16 Cu Instrument Cable	Various
CI9	1, 2	Samuel Moore	#3077	1 STQ #16 Cu Instrument Cable	Various
CI10	1, 2	Continental	#3077	1 STQ #16 Cu Instrument Cable	Various
CI11 (Unit 1) CI15 (Unit 2)	1, 2	HAVEG	N/A	Kapton Insulated Penetration Feed-through Extension Wire	N/A
CI12 (Unit 1) CI16 (Unit 2)	1, 2	HAVEG	N/A	Kapton Insulated Penetration Feed-through Extension Wire	N/A
CP1	1	Okonite	#324	3TC #12 Cu Power Cable	Various
CP3 (Unit 1) CP1 (Unit 2)	1, 2	Essex	#324	3TC #12 Cu Power Cable	Various
CP4 (Unit 1) CP6 (Unit 2)	1, 2	Okonite	#399	1/C #2 Cu Power Cable	Various
CP5 (Unit 1) CP12 (Unit 2)	1, 2	Anaconda	#3102	3 1/C #2 Al Power Cable	Various
CP6 (Unit 1) CP8 (Unit 2)	1, 2	Okonite	#3102	3 1/C #2 Al Power Cable	Various
CP7 (Unit 1) CP9 (Unit 2)	1, 2	Anaconda	#3116	3 1/C #10 Cu Power Cable	Various
CP8 (Unit 1) CP10 (Unit 2)	1, 2	Essex	#3116	3 1/C #10 Cu Power Cable	Various
CP9 (Unit 1) CP11 (Unit 2)	1, 2	Kerite	#3116	3 1/C #10 Cu Power Cable	Various
CP10 (Unit 1) CP13 (Unit 2)	1, 2	Anaconda	#3103	3 1/C #2/0 Al Power Cable	Various
CP11	1	Kerite	#3127	3 1/C #2 Cu Power Cable	Various
CP12 (Unit 1) CP4 (Unit 2)	1, 2	Cyprus	#347	3 1/C #2 Cu Power Cable	Various

AEP:NRC:0578B "SCEW" SHEET NUMBER	D. C. COOK UNIT NO(S).	EQUIPMENT MANUFACTURER	MODEL* NUMBER	EQUIPMENT DESCRIPTION	PLANT ID NUMBER(S)	ADDITIONAL DEFICIENCIES
CP13 (Unit 1) CP5 (Unit 2)	1, 2	Anaconda	#347	3 1/C #2 Cu Power Cable	Various	
CI11	2	Boston Insulated Wire	#3077	Instrument Cable	Various	
CI12	2	Raychem	#3111	RG-11 A/U Triax Instrument Cable	Various	
CI14	2	Continental	#3069	1/C #12 Cu Instrument Cable	Various	
CP2	2	Cyprus	#324	3 TC #12 Cu Power Cable	Various	
CP7	2	Cyprus	#3102	3 1/C #2 Al Power Cable	Various	
EP01	1, 2	Conax Corp.	EP-1	4-kv Electrical Penetration	Various	
EP02	1, 2	Conax Corp.	EP-2 Through EP-14	600-V and Below Electrical Penetration	Various	
F1	1, 2	Westinghouse	TBDP	Fan Motors	HV-CEQ-1 HV-CEQ-2	
H1	1, 2	Westinghouse	N/A	Hydrogen Recombiners	HR-1 HR-2	
I1, I12, I18 (Unit 1); I1, I2, I13, I19 (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
I3 (Unit 1) I4 (Unit 2)	1, 2	Foxboro	E13DM-HSAHI (MCA)	Differential Pressure Transmitter	FFC-210, 211, 220, 221, 230, 231, 240, 241	
I4 (Unit 1) I5 (Unit 2)	1, 2	Foxboro	NE13-DM-H-I-MI-D	Differential Pressure Transmitter	FFI-210, 220, 230, 240	

AEP:NRC:0578B "SCEW" 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	EIIGM- 115AE1 (MCA)	Pressure Transmitter	MPP-210, 211, 220, 221, 230, 231, 240, 241	
I 19, I20, I21, I22, I23, I24 (Unit 1); I20, I21, I22, I23, I24, I25 (Unit 2)	1, 2	ITT Barton	W 763 Lot 1 W 763 Lot 2	Pressure Transmitter	NPP-151, 152, 153 NPS-121, 122, 153	NOTE 2
I25, I26, I27 (Unit 1); I26, I27 (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	NOTE 3
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 S 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	Frume #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 Instrument Connection	N/A	
TI8	1, 2	N/A	N/A	Instrument Field Cable Splice To Penetration Feedthrough Wire	N/A	

AEP:NRC:0578B "SCEW" 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 (84 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 Termination at RMS Detectors	N/A
N/A	1, 2	AEP Design & Conax Corp.	N/A	Cable Termination at Charge Converter (Acoustic Monitors	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:0576B "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, A 2273AM1, 3075M6-36	Acoustic Valve Flow Monitoring System Components	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.