



**Commonwealth Edison**  
One First National Plaza, Chicago, Illinois  
Address Reply to: Post Office Box 767  
Chicago, Illinois 60690

May 28, 1981

Mr. Dennis M. Crutchfield, Chief  
Operating Reactors - Branch 5  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Dresden Station Unit 2  
SEP - Positive Anchorage of  
Safety Related Electrical Equipment  
NRC Docket No. 50-237

Reference (a): R. F. Janecek letter to D. L. Ziemann dated  
April 1, 1980

Dear Mr. Crutchfield:

Reference (a) provided our commitment and program for evaluating the anchorage of safety related electrical equipment. Attached is a table summarizing the results of the subject program. Included are determinations as to the adequacy of the existing equipment anchorages and verification that modifications were performed. The equipment evaluated were those listed in the above referenced response. Any modifications required were completed prior to startup from the recent refueling outage which ended in early May, 1981.

Please address any questions concerning this mater to this office.

One (1) signed original and thirty-nine (39) copies of this transmittal and attachment are provided for your use.

Very truly yours,

Robert F. Janecek  
Nuclear Licensing Administrator  
Boiling Water Reactors

Attachment  
cc: RIII Inspector, Dresden

A035  
S/11

2072N

P 8106080341

DRESDEN UNIT 2  
ELECTRICAL EQUIPMENT ANCHORAGE STUDY

EQUIPMENT NAME	BLDG. LOCATION	TYPE OF ANCHOR	ANCHORAGE PER ORIGINAL DWGS.	ANCHORAGE DESIGN ADEQUACY VERIFIED	MODIFICATION REQUIRED	MODIFICATION COMPLETED
Prompt Relief Trip Panel #902-57 ESS I ESS II	AEER	EA	YES	YES	NO	N/A
M-G Set Cont. Pnl's & 120V AC RX Prot. Syst. Dist. Pnl's. Bus 1 & Bus 2 - 902-52	AEER	EA	YES	YES	NO	N/A
ESS Service M-G Set Cont. Panel #902-53	AEER	EA	YES	YES	NO	N/A
902-47 LPCI Sys. Relay Pnl. Cont. Cooling Div. II	AEER	EA	YES	YES	NO	N/A
902-38 Recirc. Sys. Jet Pump Instr. Pnl.	AEER	EA	YES	YES	NO	N/A
Core Spray/LPCI Cont. Cooling Div. II Relay Panel #902-33	AEER	EA	YES	YES	NO	N/A
HPCI Sys. Relay Panel #902-39	AEER	EA	YES	YES	NO	N/A
Turb. Electro Hyd. Cont. Cabinet #902-31	AEER	EA	YES	YES	NO	N/A
Control Rod Pos. Ind. Relays-Panel #902-27	AEER	EA	YES	YES	NO	N/A
Rod Control Relays Panel #902-28	AEER	EA	YES	YES	NO	N/A

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Core Spray/LPCI Cont. Cooling Div. I Relays Pnl. #902-32	AEER	EA	YES	YES	NO	N/A
LPCI Sys. Relay Pnl. Cont. Cooling Div. I #902-46	AEER	EA, W	YES	YES	YES	YES
Economic Generation Control Console 12E-767	AEER	EA, W	YES	YES	YES	YES
Generator Metering and Relay Panel #902-29	AEER	EA	YES	YES	NO	N/A
Turbine Superv. Instr. Cab. (TSI) #902-51	AEER	EA	YES	YES	NO	N/A
4kV Bus 23	Turb. 534'	EA	YES	YES	YES	YES
4kV Bus 23-1	Turb. 545'	EA	YES	YES	YES	YES
4kV Bus 24	Turb. 534'	EA	YES	YES	YES	YES

DPESDEN UNIT 2  
ELECTRICAL EQUIPMENT ANCHORAGE STUDY

EQUIPMENT NAME	BLDG. LOCATION	TYPE OF ANCHOR	ANCHORAGE PER ORIGINAL DWGS.	ANCHORAGE DESIGN ADEQUACY VERIFIED	MODIFICATION REQUIRED	MODIFICATION COMPLETED
4kV Bus 24-1	Turb. 545'	EA	YES	YES	YES	YES
480V Bus 28	Rx 570'	W, B, EA	YES	YES	YES	YES
480V Bus 29	Rx 570'	W, B, EA	YES	YES	YES	YES
480V MCC 28-1	Rx 517'	W	YES	YES	YES	YES
480V MCC 28-2	Turb. 538'	W	YES	YES	YES	YES
480V MCC 28-3	Turb. 538'	W	YES	YES	YES	YES
480V MCC 28-7	Rx 517'	W	YES	YES	YES	YES
480V MCC 29-1	Reactor 517'	W	YES	YES	NO	N/A
480V MCC 29-2	Turb. 517'	W	YES	YES	YES	YES
480V MCC 29-4	Reactor 517'	W	YES	YES	YES	YES
480V MCC 29-7	Rx 517'	W	YES	YES	YES	YES
250V DC Battery Charger 2	AEER	W	YES	YES	YES	YES
250V DC Battery Charger 2/3	AEER	W	YES	YES	YES	YES
250V DC Turbine Building MCC 2	Turb. 549'	W	No	YES	YES	YES
250V DC Reactor Building MCC 2A	Rx 570'	W	YES	YES	YES	YES
250V DC Reactor Building MCC 2B	Rx 570'	W	YES	YES	YES	YES
125V DC Battery Charger 2	AEER	W	YES	YES	YES	YES
125V DC Battery Charger 2A	AEER	W	YES	YES	YES	YES
125V DC Turbine Bldg. Distribution Panel - Main Bus 2	Turb. 549'	W	YES	YES	No	N/A
125V DC Turbine Bldg. Distribution Panel - Reserve Bus 2	Turb. 549'	W	YES	YES	No	N/A
48/24 V DC DISTRIBUTION PANEL	TURB. 549'	W	YES	YES	No	N/A

DRESDEN UNIT 2  
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EQUIPMENT NAME	BLDG. LOCATION	TYPE OF ANCHOR	ANCHORAGE PER ORIGINAL DWGS.	ANCHORAGE DESIGN ADEQUACY VERIFIED	MODIFICATION REQUIRED	MODIFICATION COMPLETED
125V DC Reactor Bldg. Distribution Panel 2	Rx 570'	W	YES	YES	YES	YES
Essential Service Bus MG Set - Units 2&3	AEER	EA	YES	YES	NO	N/A
Essential Service Bus Transfer Switch - Units 2&3	AEER	EA	YES	YES	NO	N/A
Essential Service Bus Distribution Panel - Units 2&3	AEER	EA	YES	YES	NO	N/A
Instrument Bus - Units 2&3	AEER	EA	YES	YES	NO	N/A
Main Control Room Panels - Units 2&3	Control Room	EA	YES	YES	NO	N/A
INSTRUMENT RACKS UNIT 2						
2202-5	Rx 545'	EA	YES	YES	NO	N/A
2202-6	Rx 545'	EA	YES	YES	NO	N/A
2202-7	Rx 517'	EA	YES	YES	NO	N/A
2202-8	Rx 517'	EA	YES	YES	YES	YES
2202-9	Rx 497'	B	YES	YES	NO	N/A
2202-10A	Rx 497'	B	YES	YES	NO	N/A
2202-10B	Rx 497'	B	YES	YES	NO	N/A
2202-10C	Rx 497'	B	YES	YES	NO	N/A
2202-15A	Rx 530'	B&W	YES	YES	NO	N/A
2202-15B	Rx 530'	B&W	YES	YES	NO	N/A
2202-19A	Rx 476'	EA	YES	YES	NO	N/A
2202-19B	Rx 476'	EA	YES	YES	NO	N/A
2202-28	Rx 517'	EA	YES	YES	NO	N/A

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2202-29	Rx 476'	EA	YES	YES	NO	N/A
2202-31	Rx 589'	EA	YES	YES	NO	N/A
2202-35	Rx 497'	B&W	YES	YES	NO	N/A
2202-36	Rx 476'	EA	YES	YES	NO	N/A
2223-29A	Rx 476'	EA	YES	YES	NO	N/A
2223-29B	Rx 476'	EA	YES	YES	NO	N/A
2223-89	Rx 534'	EA	YES	YES	NO	N/A
2252-1	Rx 534'	EA	YES	YES	YES	YES
2252-1A	Rx 534'	EA	YES	YES	NO	N/A

AEER - AUXILIARY ELECTRIC  
EQUIPMENT ROOM

EA - EXPANSION ANCHOR

W - WELDED

B - BOLTED

N/A - NOT APPLICABLE