



Commonwealth Edison
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April 1, 1980

Mr. D. L. Ziemann, Chief
Operating Reactors - Branch 2
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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

Reference (a): D. G. Eisenhut letter to D. L. Peoples dated
January 1, 1980

Dear Mr. Ziemann:

In response to the Reference (a) requesting information concerning the anchorage of safety related electrical equipment, the following action plan has been developed. Also included in this response is the information required by question 1 of Reference (a).

I. Action Plan Concerning Seismic Design

- A) Develop a list of safety related electrical equipment concentrating on components as delineated in Enclosure 1 of the NRC letter.
- B) Perform an inspection of accessible areas of the listed equipment to determine the type of anchorage that exists.
- C) Respond to NRC question: "Does positive anchorage exist?" (Response included in this submittal).
- D) Perform an inspection and cleanup if necessary of areas near the safety related equipment listed to determine if loose equipment (such as dollies, gas bottles, etc.) could damage them).
- E) Determine the adequacy of the original anchorage design for the electrical equipment and compare to existing conditions.
- F) Prepare Modification Packages if deemed necessary based on the results of Items B and E.

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Items A, B, and C will be completed with the submittal of this letter. The remainder of the work will be completed on a schedule to meet the September 1, 1980 date.

II. Positive Anchorage of Safety Related Equipment

Attached is the list of safety related electrical equipment that was formulated for Item I.A. The inspection (Item I.B) consisted of a field walkdown of the equipment to determine if positive anchorage exists. Even though each piece of equipment was inspected some cubicles (located in switchgear & MCCs) were inaccessible and some anchoring points were buried beneath fire stop material. These areas were not inspected. The inspection was sufficient, however, to determine that a form of positive anchorage did exist for each major component.

Based on the results of these field walkdowns we have determined that all equipment listed except for one 250VDC motor control center has positive anchorage. A repair for this MCC is being initiated to provide the anchorage that was required by the original design standards.

The cable trays were not included in the attached equipment list. The issue concerning the seismic adequacy of the cable trays is being reviewed by the Senior Seismic Review Team and will be resolved through that means. A field inspection will be conducted to document the as built condition of the cable tray hangers. This inspection is scheduled for completion by 10/1/80.

If there are any questions on the above material please contact this office.

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

Very truly yours,



Robert F. Janecek
Nuclear Licensing Administrator
Boiling Water Reactors

Attachment
2717A

February 1, 1980
Project No. 5667-00

DRESDEN - UNIT 2

SAFETY-RELATED ELECTRICAL EQUIPMENT FOUNDATION REVIEW

<u>Description</u>	<u>Division</u>
4kV Bus 23	I
4kV Bus 23-1	I
4kV Bus 24	II
4kV Bus 24-1	II
480V Transformer 28	I
480V Transformer 29	II
480V Bus 28	I
480V Bus 29	II
480V MCC 28-1	I
480V MCC 28-3	I
480V MCC 28-7	I
480V MCC 29-1	II
480V MCC 29-2	II
480V MCC 29-4	II
480V MCC 29-7	II
250V DC Battery Charger 2	
250V DC Battery Charger 2/3	
250V DC Turbine Building MCC 2	
250V DC Reactor Building MCC 2	
125V DC Battery Charger 2	
125V DC Battery Charger 2A	
125V DC Turbine Building Distribution Panel - Main Bus 2	I
125V DC Turbine Building Distribution Panel - Reserve Bus 2	II

Description

Division

125V DC Reactor Building Distribution
Panel 2

I

Essential Service Bus MG Set

Essential Service Bus Transfer Switch

Essential Service Bus Distribution Panel

Instrument Bus

Main Control Room Panels

Auxiliary Electrical Equipment Room Panels

Local Instrument Racks

480V TURBINE BLDG. MCC 28-2

48/24 V DC DISTRIBUTION PANELS

SARGENT & LUNDY
ENGINEERS
CHICAGO

DRESDEN 2 SEISMIC CATEGORY I
INSTRUMENT RACKS & INSTR. ON RACK

<u>Rack No.</u>	<u>Instrument No.</u>
2202-5	2-0263-52A, -53A, -53B, -53C, -55A, -55B and -57A, -57B, -59A, -72A, -72C 2-1501-62A, -62B 2-1632A, -1632C 2-1620, 1621A, 1621B 2-1628A, 1628B, 1629B
2202-6	2-0263-52B, -53D, -55C, -55D, -58A, -58B, -59B, -72B, -72D 2-1621C, 1621D 2-1629B, 2-1632B, 1632D
2202-7	2-0261-34A, -34C; 2-0263-62, -63A -63B; 2-0263-73A, -111A, -111C
2202-8	2-0261-34B, 34D 2-0263-73B, -111B, -111D
2202-9	2-0261-5A, -6A&B
2202-10	2-0261-2A, -2B, -2C, -2D, -2E, -2F, -2G, -2H, -2J, -2K, -2L, -2M, -2N, -2P, -2R and -2S 2-0261-5B, -6C&D
2202-15	2-0760A through H 2-0762A through H
2202-19A	2-1402-042A, 1464A & 1501-053A 2-1501-55A, 2-1542A, 2-1543A, 2-1549A, 2-1551A
2202-19B	2-1402-042B, 1464B, 1501-053B 2-1501-55B, 2-1542B, 2-1543B, 2-1549B, 2-1551B

Rack No.Instrument No.

2202-28

2-1349A, 1349B, 1350A, 1350B
2-2352, 2353, 2389B, 2389C, 2389D

2202-29

2-2354, 2-2358, -2359, -2360, -2363,
-23642-2366, -2367, -2368A, -2368B, -2380,
-2389

2202-31

2-1152, -1153, -1154, -1158

2202-35

2-0261-35A, C, E&G

2202-36

2-0261-35B, D, F&H

2220-29A

2/3-7541-028A

2223-29B

2/3-7541-028B

2223-89

2/3-9441-3, -4, -11, -13, -14, -15, -16,
-27, -28, -29, -30, -31

2252-1

2-0261-3A through D