



Consumers
Power
Company

REGULATORY DOCKET FILE COPY

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August 16, 1978
Howe 145-78

Director of Nuclear Reactor Regulation
Attn: Mr Roger Boyd, Director
Division of Project Management
US Nuclear Regulatory Commission

MIDLAND PROJECT
COLOR CODING TERMINAL CLASS 1E EQUIPMENT
DOCKET NO 50-329, 50-330
FILE: 0505.2 SERIAL: 5720

During telephone discussions with the NRC Instrumentation & Control Systems Branch on July 25, 1978, Consumers Power Company agreed to color code terminal Class 1E equipment for the Midland Plant to meet the NRC interpretation of IEEE Standard 279.

In keeping with the above commitment, the following color coding criteria is provided for staff review:

Cables, raceway, and Class 1E switchgear, load centers, motor control centers, distribution panels, inverters, batteries, battery chargers, and other similar pieces of Class 1E equipment; Class 1E instrument cabinets; and terminal compartments of Class 1E motors, valve operators, and process system instruments will be identified with a color coded symbol or nameplate to provide a visual means of separation group identification. Terminal blocks within the main and local control panels have nameplates of color background which correspond to the appropriate separation group.

This criteria will also be included in FSAR Subsection 8.3.1.3 with Revision 13 of the FSAR which will be provided to the NRC in late August 1978.

Implementation of the above criteria will follow staff review and acceptance and depend upon the final method chosen (example: color coded labels need to be purchased and installed). Consumers Power Company considers that implementation in this manner is acceptable since the conduit and cable tray identification is already applied in color which serves to identify the separation groups and

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facilitates construction. In any case, the system of color coding local devices such as motors and local instruments will be complete and verified in its entirety prior to final system turnover for preoperational testing.

Stephen D. Dowell

SHH/jbg

CC: J G Keppler, NRC Reg III

C 8/29/78

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SUBJECT: FURNISHING INFO RE APPLICANT'S AGREEMENT TO COLOR CODE TERMINAL CLASS 1E
EQUIPMENT FOR SUBJECT FACILITY TO MEET NRC INTERPRETATION OF IEEE STANDARD
279.

PLANT NAME: MIDLAND -- UNIT 1
MIDLAND -- UNIT 2

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