

Donald C. Shelton
Vice President - Nuclear
Davis-Besse

300 Madison Avenue
Toledo, OH 43652-0001
(419) 249-2300

Docket Number 50-346

License Number NPF-3

Serial Number 1899

March 21, 1991

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Fire Protection - Essential Inverter Replacement Schedule Change

Gentlemen:

In Toledo Edison (TE) letter Serial Number 1757 dated February 16, 1990, TE committed to install four new essential 125 VDC inverters based on a 10 CFR Part 50, Appendix R, Fire Protection analysis which concluded that the existing four essential inverters (YV1, YV2, YV3, YV4) were not coordinated (i.e., a single fault could result in the inverter being lost due to input fuse failure). The coordination concern was eliminated during the sixth refueling outage by installing two new inverters, modifying the remaining two inverters and instituting additional operator actions. The remaining two new inverters were scheduled to be installed during the seventh refueling outage.

TE's intent to install the remaining two inverters during the seventh refueling outage is also reflected in Nuclear Regulatory Commission (NRC) Inspection Report 89-19, dated September 29, 1989, documenting closure of Licensee Event Report 84-010, and in Inspection Report 90-002, dated March 30, 1990, documenting closure of Licensee Event Report 87-015.

TE has determined that installation of the remaining two inverters during the seventh refueling outage is no longer necessary. In addition to the changes and modifications performed during the sixth refueling outage, several plant improvements have been implemented since 1985 which diminish the need for such replacement. These improvements include modifications to the integrated control system and non-nuclear instrumentation system to prevent a plant trip on loss of the old inverters, addition of manual transfer capabilities to an alternate power source for the old inverters, and improved plant maintenance practices which should limit the occurrence of power losses to the old inverters.

9103290187 910321
PDR ADOCK 05000346
PDR

Operating Companies
Cleveland Electric Illuminating
Toledo Edison

281035

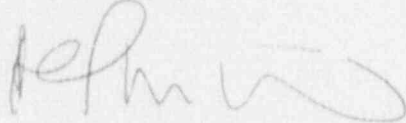
1/0
A006

Docket Number 50-346
License Number NPF-3
Serial Number 1899
Page 2

As indicated above, the present configuration (two old and two new inverters), combined with manual operator actions described in the Fire Hazards Analysis Report (Revision 12), fully complies with the applicable requirements of 10 CFR 50, Appendix R. Therefore, TE does not intend to install the remaining two new inverters.

If you have any questions, please contact Mr. R. W. Schrauder, Manager - Nuclear Licensing, at (419) 249-2366.

Very truly yours,



KBR/mmB

cc: P. M. Byron, DB-1 NRC Senior Resident Inspector
A. B. Davis, Regional Administrator, NRC Region III
J. R. Hall, NRC Senior Project Manager
M. D. Lynch, NRC Senior Project Manager
Utility Radiological Safety Board