

**Detroit
Edison**

Wayne H. Jens
Vice President
Nuclear Operations

Fermi-2
6400 North Dixie Highway
Newport, Michigan 48166
(313) 586-4150

March 1, 1985
EF2-70399

Mr. James G. Keppler
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

Reference: (1) Fermi 2
NRC Docket No. 50-341

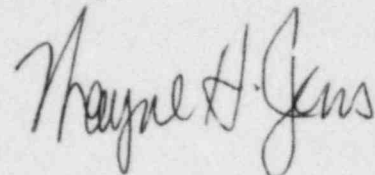
(2) Letter, W. H. Jens to B. J. Youngblood
February 4, 1985, NE-85-0275

Subject: Detroit Edison Response
Inspection Report 50-341/84-49

This letter responds to the item of deviation described in your Inspection Report No. 50-341/84-49. This inspection was conducted by Messrs. C. Ramsey, H. Thomas, A. Coppola, J. Ulie and J. Holmes of NRC Region III on October 29-31, November 1, 2, 14-16, and 26-30, 1984 and January 22-25, 1985.

We trust this letter satisfactorily responds to the deviation identified in the inspection report. If you have questions regarding this matter, please contact Mr. Lewis Bregni, (313) 586-5083.

Sincerely,



cc: P. M. Byron
R. C. Knop
L. A. Reyes
U.S. NRC Document Control Desk
Washington, D.C. 20555

8503180138 850301
PDR ADOCK 05000341
Q PDR

MAR 7 1985

1E01 1/1

THE DETROIT EDISON COMPANY

FERMI 2

NUCLEAR OPERATIONS ORGANIZATION

RESPONSE TO NRC REPORT NO. 50-341/84-49

DOCKET NO. 50-341 LICENSE NO. CPPR-87

INSPECTION AT: FERM I 2, NEWPORT, MICHIGAN

INSPECTION CONDUCTED: October and November, 1984
January, 1985

RESPONSE TO NRC INSPECTION REPORT NO. 50-341/84-49

Statement of Deviation 84-49-12

Section 9B.2.2.5. of the FSAR discusses the fire protection layout drawings stating in part, "the drawings show each safety related building...the required shutdown equipment found within each building and fire detection...equipment." Figure 9B.4 of the FSAR indicated that a fire detector was located on the first floor ceiling of the reactor building in the personnel hatch interlock areas.

Section 9B.1.2. of the FSAR states in part, "the following National Fire Protection Association (NFPA) codes were used for guidance in the development of the Fermi 2 fire protection program...including NFPA 72D-1975 and NFPA 72E-1974." Section 8-1.1.2 of NFPA 72E-1974 states that an air duct smoke detector installation shall not be used as a substitute for open area protection. Section 4-3.1 of NFPA 72E requires spot-type smoke detectors to (shall) be located on the ceiling not less than six inches from a sidewall.

Contrary to the above, while performing a plant tour on November 26, 1984, the inspectors were unable to locate any fire detectors on the first floor ceiling (EL. 583'6") of the reactor building in the personnel hatch interlock area as identified in figure 9B.4. of the FSAR. During the inspection, the licensee determined the fire detector for this area was located outside the physical boundaries of the room at the exhaust of the return duct for the area.

Detroit Edison Response

A study of Fermi's fire detection system was performed by Detroit Edison personnel to determine conformance to NFPA 72E, a standard for the installation of fire detectors. This review took into account spacing, location, ceiling types and construction, interferences from HVAC and normal air patterns (along with location of HVAC supply inlets and exhausts) and accessibility for testing and maintenance. This study also identified the NFPA 72E deficiency noted by the inspector. As a result of this study and the results of the NRC inspector's observations, Detroit Edison requested (Reference 2) an interim deviation from NFPA 72E for the location of this detector on the first floor of the reactor building. As described in Reference 2, a detector will be installed or relocated to meet the requirements of NFPA 72E by June 30, 1985.