

Detroit  
Edison

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NRC-92-0127

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

- References:
- 1) Fermi 2  
NRC Docket ID: 50-341  
NRC License No. NPF-43
  - 2) NRC Bulletin No. 92-01, "Failure of Thermo-Lag 330 Fire Barrier System to Maintain Cabling in Wide Cable Trays and Small Conduits Free From Fire Damage", dated June 24, 1992.
  - 3) Detroit Edison Letter to NRC, "Detroit Edison Response to NRC Bulletin 92-01", NRC-92-0091, dated July 23, 1992
  - 4) NRC Bulletin No. 92-01, supplement 1, "Failure of Thermo-Lag 330 fire Barrier System to Perform its Specified Fire Endurance Function", dated August 28, 1992
  - 5) Detroit Edison Letter to NRC, "Detroit Edison Response to NRC Bulletin 92-01, Supplement 1," NRC-92-0116, dated September 30, 1992

Subject: Additional Information on Detroit Edison Response to NRC Bulletin 92-01, Supplement 1

The purpose of this letter is to provide additional information on Detroit Edison's response to Bulletin 92-01, Supplement 1 (Reference 5). Our response stated that the small HVAC room (Fire Zone 9) located directly above the computer room on elevation 677' 6" (which serves as a HVAC chase) where the combustible loading is extremely low does not have an automatic fire detection system. However, an automatic fire detection system is provided in other areas of the Fire Zone 9 below this small room.

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- November 18, 1992
- NRC-92-0127
- Page 2

A question was received from the NRC regarding the reasons for not having a fire detection system for the small HVAC room. The following is the explanation why this room does not need a fire detection system.

- o There are no exposed combustibles in this room. Hence, a fire involving in situ combustibles is not postulated for this area.
- o The storage of combustibles in this area is not postulated because the room is congested with non-combustible metal ductwork with little floor space available for any storage and the existing administrative controls do not permit any storage in this area.

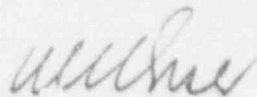
Therefore, even if a fire detection system was installed in this small room it would not be expected to activate due to the lack of potential for a fire.

The amount of Thermo-Lag 330-1 material used in the 3 hour rated fire wall enclosing this room consists of two small assemblies (approximately 1 ft<sup>2</sup>) placed at the top of the wall itself. Specifically, the Thermo-Lag is not used to provide divisional separation, rather it is in place to seal two small gaps between the top of the block wall and the ceiling of the room. Because these assemblies are installed in the top of the wall and there are no exposed combustibles in the small room, flame propagation into or out of this small room is not postulated.

Additionally, since this room is considered a part of the control room (Fire Zone 9), alternate safe shutdown capabilities are expected to be used if evacuation of the control room is required due to a fire.

If you have any questions, please contact Mr. Girija S. Shukla at (313) 586-4270.

Sincerely,



cc: B. Bradley (NUMARC)  
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