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Docket Number 50-346

License Number NPF-3

Serial Number 2114

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United States Nuclear Regulatory Commission  
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Subject: Implementation of Fire Protection Sprinkler and Hose Station  
Design Changes

Gentlemen:

The NRC's letter dated December 17, 1986 (Log Number 2166) to Toledo Edison provided a series of questions regarding fire protection at the Davis-Besse Nuclear Power Station (DBNPS). Question Number 6 requested Toledo Edison (TE) to identify locations outside the Turbine Building where sprinkler systems and standpipe systems are supplied such that a single failure would require isolation of the room sprinkler system and normal backup standpipe system and to describe how backup fire fighting capability will be provided if this single failure occurs.

In a letter dated July 30, 1987 (Serial Number 1396) to the NRC, TE provided its response to Question Number 6. Twelve rooms (outside the Turbine Building) were identified as being susceptible to single failure. Three of these rooms were identified as having alternate, separate hose stations available, therefore requiring no modification. For the remaining nine rooms, TE described its plans to implement modifications providing isolation between the sprinkler system and hose stations where a single failure would not require isolation of both hose stations and the area suppression system. These plans were reflected in the NRC's Safety Evaluation Related to Fire Protection at the DBNPS (Log 3480, dated May 30, 1991).

As a result of further review, TE has identified that through the connection of additional hose lengths, there are adequate backup suppression capabilities available to each of the nine rooms. These backup suppression capabilities would be unaffected by a single failure

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Operating Companies:  
Cleveland Electric Illuminating  
Toledo Edison

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in the water supply pipe supplying the sprinkler systems and standpipe systems to each of these rooms. These specific backup measures will not be proceduralized since the DBNPS Fire Hazard Analysis Report Operating Specifications require ensuring backup capability. Based on the availability of independent backup suppression capabilities, physical modifications are no longer required. This alternate approach will not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

Should further information be required, please contact  
Mr. Robert W. Schrauder, Manager - Nuclear Licensing at (410) 249-2366.

Very truly yours,



MKL/dlc

attachment

cc: A. B. Davis, Regional Administrator, NRC Region III  
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Utility Radiological Safety Board