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Reports on investigation of isolation of deluge valves to drumming room
& new fuel receiving area: closing valves was necessary to prevent spurious
oper of sprinkler sys during repairs to broken fire header outside bldg
from 781027-31.

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INDIANA & MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106

November 9, 1978

Mr. J.G. Keppler, Regional Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Operating License DPR-58/DPR-74
Docket No. 50-315/50-316
Special Report FP-01

Dear Mr. Keppler:

On October 30, 1978, we informed NRC Region III verbally and in writing that due to a repair on our Fire System headers it became necessary to isolate the deluge valves to the Plant's Drumming Room and New Fuel Receiving Area. Our investigation into this event is complete and this report is being submitted as required by Appendix A, Technical Specification 6.9.2.

Between the hours of 1230 October 27, 1978, and 1230 October 31, 1978, it was necessary to close the hand isolation valves to the automatic sprinkler systems protecting the Auxiliary Building Cask Handling Area and the Auxiliary Building Drumming Area. Technical Specification 3.7.9.1b requires that a flow path be available to the first valve ahead of the flow alarm device on these systems at all times.

Closing these valves was necessary to prevent spurious operation of these systems during repairs to a broken fire header outside the building. A one-inch pressure sensing line which is used to hold the deluge valve latched in place is connected to that section of header which was isolated and drained to make the repair.

A backup fire suppression system was available at all times from the Auxiliary Building 1½" fire hose stations, four in the cask receiving area and one in the drumming area. The sprinkler systems could have been used in case of fire by merely opening the hand isolation valves. The plant fire truck was also available and could be used in one of these areas if needed. The fire detection alarm system was operable in these areas at all times.

7811170204

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Repairs to the broken line were completed in four days and the systems returned to operable status immediately thereafter.

Sincerely,



D.V. Shaller
Plant Manager

/bab

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