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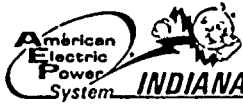
ACCESSION NBR: 8704070433 DOC. DATE: 87/04/03 NOTARIZED: NO DOCKET #  
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME: SMITH, W. G. AUTH. AFFILIATION: Indiana & Michigan Electric Co.  
 RECIP. NAME: RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

SUBJECT: RO: on 870304, pressurizer PORV NRV-152 automatically opened to relieve greatly increased RCS pressure. Caused by instrument tolerance stack-up resulting in actuation at indicated 385 psig on pressure channel being monitored.

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	RGN3 FILE 01		1	1					
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**INDIANA & MICHIGAN ELECTRIC COMPANY**

DONALD C. COOK NUCLEAR PLANT  
P.O. Box 458, Bridgman, Michigan 49106  
(616) 465-5901

April 3, 1987

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

Docket No. DPR-74  
License No. 50-316

ATTN: Mr. A. Bert Davis

Dear Mr. Davis,

This report is being submitted in accordance with Technical Specification 3.4.9.3 Action C. for Unit Two.

During cold shutdown operation, pressurizer power operated relief valve (PORV) NRV-152 was automatically opened on March 4, 1987, at 1530 hours to relieve reactor coolant system (RCS) pressure which had gradually increased. The RCS pressure decreased and NRV-152 closed when the reset pressure was reached.

During cold shutdown operation, loop 1 hot leg wide range RCS pressure actuates pressurizer PORV NRV-152 and loop 2 hot leg wide range RCS pressure actuates pressurizer PORV NRV-153. The setpoint for both valves is 420 psig  $\pm$  15 psig.

The operators were controlling RCS pressure based on loop 2 hot leg wide range pressure indication. This indication was at approximately 385 psig when NRV-152 was actuated. Checks of the loop 1 and 2 hot leg wide range RCS pressure instruments determined that both were within allowable tolerances. It is therefore concluded that this event occurred as a result of instrument tolerance stack-up which resulted in actuation at an indicated 385 psig on the pressure channel being monitored.

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Administrative changes are being pursued to direct operating at an RCS pressure sufficiently below the pressurizer PORV cold overpressure protection setpoint so as to prevent a repeat event.

Sincerely

*W. G. Smith, Jr.*

W. G. Smith, Jr.  
Plant Manager

BKW/pd

cc: J. E. Dolan - AEPSC  
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H. B. Brugger  
R. W. Jurgensen  
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