

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9001240418 DOC.DATE: 90/01/11 NOTARIZED: NO DOCKET #  
 FACIL:50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
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 BURGESS,B. Region 3, Ofc of the Director  
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SUBJECT: PNO-III-90-004:on 900111,outage extended to repair MSIVs.

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 TITLE: Preliminary Notification-Occurrence/Non-Routine Event/Safeguards Even

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PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-11-90-04 Date January 11, 1990

DC 11

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region III staff on this date.

Facility: Indiana Michigan Power Company  
D. C. Cook, Unit 2  
Bridgman, MI  
Docket No. 50-316

Licensee Emergency Classification:  
☒ Unusual Event  
☐ Alert  
☐ Site Area Emergency  
☐ General Emergency  
☐ Not Applicable

OK  
WJH

Subject: OUTAGE EXTENDED TO REPAIR MSIVS

At 9:16 a.m. (EST) on January 11, 1990, the licensee declared all four Main Steam Isolation Valves (MSIVs) inoperable after one MSIV failed to meet a 5-second closure requirement after several days of valve manipulation and testing. The unit has been shut down since January 6, 1990, for maintenance and testing activities.

On January 8-9, the licensee performed surveillance tests on the four MSIVs. All valves closed more slowly than expected, and three of the valves slightly exceeded the 5 second time required by the Technical Specifications.

The valves are manufactured by Hopkinson, a British company, and are in limited use in the United States. They are hydraulically operated to open and use steam line pressure as a closing force. The licensee's investigation indicates that the slow closure was caused by condensation on the piston which closes the valve. A drain hole in the piston may have been partially clogged, allowing the condensation to accumulate.

The licensee expects the outage to continue at least a week to allow correction of the MSIV problem and other maintenance activities.

Region III (Chicago) and the resident inspectors are following the licensee's investigation and corrective action.

The information in this notification has been reviewed with licensee management. The State of Michigan will be notified.

The licensee notified the Headquarters Operations Center of the MSIV test failures at 5:54 p.m. (EST) on January 10, 1990. At 9:16 a.m. on January 11, 1990, subsequent to an additional valve failure the licensee notified NRC that the valves were considered inoperable and declared an unusual event. This information is current as of 11:00 a.m., January 11, 1990.

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