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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

OCT 19 1979

Docket No. 50-346

Toledo Edison Company  
ATTN: Mr. Richard P. Crouse  
Vice President  
Energy Supply  
Edison Plaza  
300 Madison Avenue  
Toledo, OH 43652

Gentlemen:

Enclosed is IE Bulletin No. 79-13, Revision 2 which requires action by you with regard to your pressurized water power reactor facility.

Should you have any questions regarding this Bulletin or the actions required by you, please contact this office.

Sincerely,

*James G. Keppler*  
for James G. Keppler  
Director

Enclosures:

- 1. IE Bulletin No. 79-13, Rev. 2
- 2. List of IE Bulletins  
Issued in the Last Six Months

cc w/encl:

Mr. T. Murray, Station  
Superintendent  
Central Files  
Director, NRR/DPM  
Director, NRR/DOR  
PDR  
Local PDR  
NSIC  
TIC  
Harold W. Kohn, Power  
Siting Commission  
Helen W. Evans, State of  
Ohio

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SSINS: 6830  
Accession No.:  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT  
WASHINGTON, D.C. 20555

October 16, 1979

IE Bulletin No. 79-13  
Revision 2

CRACKING IN FEEDWATER SYSTEM PIPING

Description of Circumstances:

This revision to IE Bulletin No. 79-13 is based on the results of the radiographic examinations and ongoing investigation of the subject problem to date since the initial Bulletin was issued. The revision reduces in scope the number and extent of the piping system welds required to be examined. The requirements for reporting and action time frame remain unchanged.

R2

On May 20, 1979, Indiana and Michigan Power Company notified the NRC of cracking in two feedwater lines at their D. C. Cook Unit 2 facility. The cracking was discovered following a shutdown on May 19 to investigate leakage inside containment. Leaking circumferential cracks were identified in the 16-inch feedwater elbows adjacent to two steam generator nozzle elbow welds. Subsequent radiographic examination revealed crack indications in all eight steam generator feedwater lines at this location on both Units 1 and 2.

On May 25, 1979, a letter was sent to all PWR licensees by the Office of Nuclear Reactor Regulation which informed licensees of the D. C. Cook failures and requested specific information on feedwater system design, fabrication, inspection and operating histories. To further explore the generic nature of the cracking problem, the Office of Inspection and Enforcement requested licensees of PWR plants in current outages to immediately conduct volumetric examination of certain feedwater piping welds.

As a result of these actions, several other licensees with Westinghouse steam generators reported crack indications. Southern California Edison reported on June 5, 1979, that radiographic examination revealed indications of cracking in feedwater nozzle-to-pipe welds on two of three steam generators of San Onofre Unit 1. On June 15, 1979, Carolina Power and Light reported that radiography showed crack indications in similar locations at their H. B. Robinson Unit 2. Duquesne Power and Light confirmed on June 18, 1979, that radiography has shown cracking in their Beaver Valley Unit 1 feedwater piping-to-vessel nozzle weld. Public Service Electric and Gas Company reported on June 20, 1979 that Salem Unit 1 also has crack indications. Wisconsin Public Service company decided on June 20, 1979, to inspect a weld which contained questionable indications. As of June 22, 1979 and since May 25, 1979, the company has inspected the feedwater nozzle-to-pipe

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ANO 7908220135

No. of pages: 12

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