



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 1000.  
ARLINGTON, TEXAS 76012

bcc to DAC:ADM:  
CENTRAL FILES  
PDR:HQ  
LPDR  
~~TIC~~  
NSIC

December 27, 1979

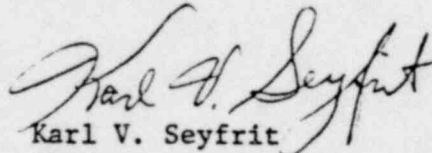
Docket No. 50-298

Nebraska Public Power District  
ATTN: J. M. Pilant, Director  
Licensing & Quality Assurance  
Post Office Box 499  
Columbus, Nebraska 68601

Gentlemen:

This IE Information Notice is provided as an early notification of a possibly significant matter. It is expected that recipients will review the information for possible applicability to their facilities. No specific action or response is requested at this time. If further NRC evaluations so indicate, an IE Circular or Bulletin will be issued to recommend or request specific licensee actions. If you have questions regarding this matter, please contact the Director of the appropriate NRC Regional Office.

Sincerely,

  
Karl V. Seyfrit  
Director

Enclosures:

1. IE Information Notice  
No. 79-34
2. List of Recently Issued  
IE Information Notices

cc: L. C. Lessor, Superintendent  
Cooper Nuclear Station  
Post Office Box 98  
Brownville, Nebraska 68321

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT  
WASHINGTON, D.C. 20555

SSINS No.: 6870  
Accession No.:  
7910250517

IE Information Notice No. 79-34  
Date: December 27, 1979  
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INADEQUATE DESIGN OF SAFETY-RELATED HEAT EXCHANGERS

Tennessee Valley Authority (TVA) submitted an initial 50.55(e) report on October 25, 1979, that identified defects in the four Containment Spray (CS) heat exchangers at the Sequoyah facility.

The heat exchanger tube bundles were damaged by excessive vibrations of the tubes against each other. These vibrations were caused by a support arrangement that allows excessive unsupported tube lengths. The large amplitude tube vibration has resulted in reductions in wall thickness and some tube leakage. The CS heat exchangers at Sequoyah had only been in operation for a short period of time prior to the failure being detected.

These heat exchangers were manufactured by Industrial Process Engineers, Inc., (IPE), a vendor now out of business. The Component Cooling Water (CCW) heat exchangers at the Sequoyah facility were also made by IPE. TVA has identified some reduction in wall thickness and minor tube leakage in the CCW heat exchangers. The licensee plans to plug the damaged tubes on the CS heat exchangers and "stake" (support) the tube bundles to prevent further damage. Further corrective action is under review by the licensee. The following data applies to the CS heat exchangers:

Manufacturer: Industrial Process Engineers, Inc.  
Type: CFU (Special)  
Size: 55-342  
Serials: 6662-1; 6662-2  
6663-1; 6663-2

This Information Notice is provided as an early notification of a possibly significant matter that is still under review by the NRC staff. It is expected that recipients will review the information for possible applicability to their facilities. No specific action or response is requested at this time. If NRC evaluations so indicate, further licensee actions may be requested or required.

No written response to this Information Notice is required. If you have any questions regarding this matter please contact the Director of the appropriate NRC Regional Office.

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IE Information Notice No. 79-34  
December 27, 1979

LISTING OF RECENTLY ISSUED  
IE INFORMATION NOTICES

Information Notice No.	Subject	Date Issued	Issued To
79-28	Overloading of Structural Elements Due to Pipe Support	11/16/79	All power reactor facilities with an Operating License (OL) or Construction Permit (CP)
79-29	Loss of NonSafety-Related Reactor Coolant System Instrumentation During Operating	11/16/79	All power reactor facilities holding Operating Licenses (OLs) or Construction Permits (CPs)
79-30	Reporting of Defects and Noncompliance, 10 CFR Part 21.	12/6/79	All power reactor facilities holding Operating Licenses (OLs) and Construction Permits (CPs) and vendors inspectors inspected by LCVIP
79-31	Use of Incorrect Amplified Response Spectra (ARS)	12/13/79	All power reactor facilities holding Operating Licenses (OLs) and Construction Permits (CPs)
79-32	Separation of Electrical Cables for HPCI and ADS	12/21/79	All power reactor facilities holding Operating Licenses (OL) and Construction Permits (CPs)
79-33	Improper Closure of Primary Containment Access Hatches	12/21/79	All power reactor facilities holding Operating Licenses (OL) and Construction Permits (CPs)

Enclosure

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