

UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION III 799 ROCSEVELT ROAD GLEN ELLYN, ILLINOIS 60137

DEC 27 1979

Docket No. 50-409

Dairyland Power Cooperative ATTN: Mr. F. W. Linder General Manager 2615 East Avenue - South La Crosse, WI 54601

Gentlemen:

This 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.

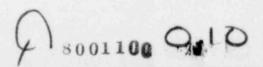
Sincerely,

Director

Enclosure: IE Information Notice No. 79-34

cc w/encl: Mr. R. E. Shimshak, Plant Superintendent Central Files Director, NRR/DPM Director, NRR/DOR PDR Local PDR NSIC TIC Mr. John J. Duffy, Chief Boiler Inspector, Department of Industry, Labor and Human Relations

1739 007



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

SSINS No.: 6870 Accession No.: 7910250517

December 27, 1979

DUPLICATE

IE Information Notice No. 79-34

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 cut 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:

Manfacturer: 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 significiant 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 irdicate, 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.

Enclosure: List of Recently
Issued IE Information Notices

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RECENTLY ISSUED IE INFORMATION NOTICES

| Information Notice No. | Subject | Date Issued | Issued To |
|---------------------------|--|----------------|--|
| 79-33 | Improper Closure of Primary Containment Access Hatches | 12/21/79 | All power reactor facilities holding OLs and CPs |
| 79-32 | Separation of Electrical Cables for HPCI and ADS | 12/21/79 | All power reactor facilities holding OLs and CPs |
| 79-31 | Use of Incorrect Amplified Response Spectra (ARS) | 12/13/79 | All holders of power reactor OLs and CPs |
| 79-30 | Reporting of Defects and Noncompliance, 10 CFR Part 21. | 12/6/79 | All power reactor facilities holding OLs and CPs and vendors inspected by LCVIP |
| 79-29 | Loss of NonSafety-Related Reactor Coolant System Instrumentation During Operation | 11/16/79 | All power reactor facilities holding OLs or CPs |
| 79-28 | Overloading of Structural Elements Due to Pipe Support Loads | 11/16/79 | All power reactor facilities with an OL or CP |
| 79-27 | Steam Generator Tube Ruptures At Two PWR Facilities | 11/16/79 | All power reactor facilities holding OLs and CPs |
| 79-12A | Attempted Damage To New Fuel Assemblies | 11/9/79 | All Fuel Facilities, research reactors, and power reactors with an OL or CP |
| 79-26 | Breach of Containment Integrity | 11/5/79 | All power reactor facilities holding OLs and CPs |
| 79-25 | Reactor Trips At Turkey Point Units 3 And 4 | 10/1/79 | All power facilities with an OL or a CP |