

NRC-PDR
LPDR



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SEP 5 1979

MEMORANDUM FOR: A. Schwencer, Chief, Operating Reactors Branch #1, DOR
FROM: G. Lainas, Chief, Plant Systems Branch, DOR
SUBJECT: STEAM GENERATOR WATER HAMMER EVALUATION FOR KEWAUNEE,
POINT BEACH UNITS 1 AND 2, AND PRAIRIE ISLAND UNITS 1 AND 2

The NRC in September 1977, informed all PWR licensees that water hammer events due to the rapid condensation of steam in the feedwater lines of steam generators represented a safety concern and that further actions by licensees for Westinghouse and Combustion Engineering designed nuclear steam supply systems are warranted to assure that an acceptably low risk to public safety due to such events is maintained.

We have reviewed plant operating data and the submittals from the owners of the five operating units listed above and we have concluded that steam generator water hammer is not likely to occur at these plants during normal operation or as a result of transient or accident conditions. We, therefore, determined that modifications to prevent steam generator water hammer are not necessary for the continued safe operation of these nuclear power plants. However, we will continue to monitor the licensee's operating reports for indications of water hammer and will reexamine this matter if such indications appear.

G. Lainas
G. Lainas, Chief
Plant Systems Branch
Division of Operating Reactors

Contact:
S. MacKay, X27.10

Enclosure:
As stated

cc w/enclosure:
See page 2

1087 288

7910CS
7910030007 P

cc w/enclosure:

D. Eisenhut

B. K. Grimes

S. Hanauer

E. Adensam

G. Lainas

L. Olshan

C. Trammell

M. Grotenhuis

S. MacKay

D. Christiansen (EG&G)

D. Fischer

R. Colmar

E. Reeves

W. Gammill