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September 11, 1979

Director of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC DOCKETS 50-321, 50-366  
OPERATING LICENSES DPR-57, NPF-5  
EDWIN I. HATCH NUCLEAR PLANT, UNITS 1, 2  
TARGET ROCK SAFETY/RELIEF VALVES

GENTLEMEN:

The following information is provided pursuant to your request of July 16, 1979, concerning Target Rock Safety/Relief Valves. It should be noted that safety/relief valves of a two-stage topworks design are currently installed at both Plant Hatch units:

QUESTION 1:

What is the status of each of the Target Rock safety/relief valves at your plants; i.e:

- a) Are they in their original design configuration?
- b) What is the existing simmer margin?
- c) What modifications have you implemented to improve reliability?
- d) On what date were these modifications made?

RESPONSE 1:

- a) Unit 1 - The originally installed three-stage topworks design valves were replaced with improved two-stage topworks design valves in the spring of 1978 (reference C. F. Whitmer's letter of February 10, 1978, to the Director of Nuclear Reactor Regulation).

Unit 2 - The originally installed two-stage topworks design valves remain in place.

- b) The existing simmer margins are 75 psig and 85 psig for Units 1 and 2, respectively.
- c) The angle of the pilot valve seat has been reduced and the blowdown orifice modified for backpressure considerations.
- d) The modifications noted in (1c) above were made in July 1979 for Unit 1 and April 1979 for Unit 2.

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QUESTION 2:

What maintenance and testing do you routinely perform on these valves and how often is it performed?

RESPONSE 2:

Valve operability checks are performed after valve maintenance; bench testing is performed in accordance with the Technical Specifications and ASME Section XI, Part IWB3510, as a minimum on a periodic basis.

QUESTION 3:

What additional modifications and/or maintenance do you plan to implement in the future?

RESPONSE 3:

With the improved two-stage topworks design valves in place, no additional modifications or maintenance actions beyond the requirements of the Technical Specifications or accepted recommendations of the vendors are planned unless and until operational experience shows it to be necessary.

QUESTION 4:

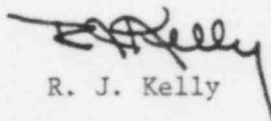
On what date will the modifications and/or maintenance in item 3 be implemented?

RESPONSE 4:

Not applicable.

Should you require further information or clarification, please contact this office.

Yours very truly,

  
R. J. Kelly

WEB/mt

xc: K. A. Thomas  
G. F. Trowbridge, Esquire

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