

Nebraska Public Power District

GENERAL OFFICE
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August 16, 1979

Mr. Brian K. Grimes
Acting Assistant Director for Systems Engineering
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

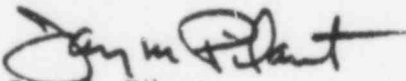
Subject: Target Rock Safety-Relief Valves
Cooper Nuclear Station
NRC Docket No. 50-298, DPR-46

Dear Mr. Grimes:

Enclosed please find the information requested in your letter of July 16, 1979, relating to the subject safety-relief valves.

Should you have any questions or require additional information, please contact me.

Sincerely yours,



Jay M. Pilant
Director of Licensing &
Quality Assurance

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Enclosure

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Response to Request for
Additional Information
Target Rock Safety-Relief Valves

Item 1

What is the status of each of the Target Rock safety-relief valves at your plant(s); i.e.:

- a. Are they in their original design configuration?

Response: No

- b. What is the existing simmer margin?

Response: Our current Technical Specifications call for relief valve settings of 1080 psig, 1090 psig, and 1100 psig. With a normal operating pressure of 1000 psig, the simmer margin is 80, 90, and 100 psig, respectively.

- c. What modifications have you implemented to improve reliability?

Response:

1. Addition of a 0.062 stainless steel wire between threads of second stage piston hold down nut and second stage disc. (GE FDI 95/10100). This modification was completed in March, 1974.
2. Modification of the second stage area by cutting off part of the insert (Part Number 83) in order to facilitate bench testing. Installed pilot filters as per GE SIL 196. These modifications were completed in September-October, 1976.
3. The bellows pressure switch was relocated to provide a lower temperature environment. This modification was completed in November, 1976.

- d. On what date were these modifications made?

Response: See above dates.

Item 2

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

Response: The valves are sent to Wylie Labs for rework and testing either once per year or every two years depending on service. The maintenance consists of a complete overhaul. Testing consists of a pressure relief test and steam leakage tests.

Item 3

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

Response: We plan to install two stage top work valves (TRC Model No. 7567F). We may also increase simmer margin.

Item 4

On what date will the modification(s) and/or maintenance in Item 3 be implemented?

Response: Four new valves with two stage top works and enlarged throats will be installed during the spring 1980 refueling outage (March-April). Two stage top works will probably be installed on the remaining four valves in 1981.

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