

J.R. Buchanan, NSIC



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

November 17, 1979

Docket No. 50-298

Mr. J. M. Pilant, Director
Licensing & Quality Assurance
Nebraska Public Power District
P. O. Box 499
Columbus, Nebraska 68601

Dear Mr. Pilant:

We are reviewing your submittal dated January 4, 1979 in response to our letter of November 29, 1978 concerning containment purging. On September 12, 1979 we met with Nebraska Public Power District representatives in Bethesda and discussed that issue. As a result of our review to date and our meeting, we have determined that the additional systems information requested in the enclosure is necessary in order to complete our long term containment purge and venting system safety evaluation. Please provide answers to these questions within 45 days of receipt of this letter.

We have not yet completed our review of the mechanical, electrical and instrumentation aspects of containment purge, but expect that we may have additional questions for you in these areas.

Sincerely,

A handwritten signature in cursive script that reads "Ippolito".

Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosure:
Request for Additional
Information

cc w/enclosure:

1694 266

A handwritten mark resembling a stylized letter 'P' or 'V'.

8001070 350

Mr. J. M. Pilant
Nebraska Public Power District

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cc:

Mr. G. D. Watson, General Counsel
Nebraska Public Power District
P. O. Box 499
Columbus, Nebraska 68601

Mr. Arthur C. Gehr, Attorney
Snell & Wilmer
3100 Valley Center
Phoenix, Arizona 85073

Cooper Nuclear Station
ATTN: Mr. L. Lessor
Station Superintendent
P. O. Box 98
Brownville, Nebraska 68321

Auburn Public Library
118 - 15th Street
Auburn, Nebraska 68305

1694 267

REQUEST FOR ADDITIONAL INFORMATION
FOR CONTAINMENT PURGE SYSTEM AND
CONTAINMENT VENTING SYSTEM FOR
COOPER NUCLEAR STATION
DOCKET NO. 50-298

1. With regard to the containment purge and venting system, provide the following information:
 - a. Discuss the provisions made to ensure that isolation valve closure will not be prevented by debris which could potentially become entrained in the escaping air and steam.
 - b. Discuss the provisions made for testing the availability of the isolation function and the leakage rate of the isolation valves, individually, during reactor operation.
 - c. Specify the amount of containment atmosphere released through the purge and vent isolation valves for a spectrum break sizes during the maximum closure time allowed in your Technical Specifications.
 - d. Provide an analysis to demonstrate the acceptability of the provisions made to protect structures and safety-related equipment; e.g., fans, filters, and ductwork, located beyond the purge system isolation valves against loss of function from the environment created by the escaping air and steam.
 - e. For the containment purge isolation valves, specify the differential pressure across the valve for which the maximum leak rate occurs. Provide test results (e.g., from vendor tests of leakage rate versus valve differential pressure) which support your conclusion.