

Nebraska Public Power District

GENERAL OFFICE
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April 30, 1982

U.S. Nuclear Regulatory Commission
Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing
Washington, D.C. 20555

Subject: II.B.1 "RCS High Point Vents"
Response to NRC Request

Reference: 1) Letter from D. B. Vassallo to J. M. Pilant dated
February 24, 1982, "Reactor Coolant System Vents,
Request for Additional Information"

Dear Mr. Vassallo:

The purpose of this letter is to respond to your letter of February 24, 1982 (Reference 1) requesting an analysis of systems required to maintain core cooling which could be adversely affected by non-condensibles. This reply was also to include data concerning remote venting capability for systems whose function is lost.

Position II.B.1 in NUREG 0737 specified reactor coolant system (RCS) vents to ensure core cooling during natural circulation. Staff clarification item B.2 in NUREG 0737 required licensees to "address the ability to vent other systems, such as the isolation condenser which may be required to maintain adequate core cooling." Cooper Nuclear Station does not have an isolation condenser. Nebraska Public Power District initiated a study to evaluate the effects of hydrogen on HPCI/RCIC system performance; however, since the NRC request of Reference 1 specified systems "required to maintain adequate core cooling", the HPCI, RCIC and CS systems are considered not to be at issue.

If the Residual Heat Removal System is to be considered, the NRC's attention is directed to the operational details of this system contained in the CNS FSAR (specifically Question 6.12 of Amendment 14). It should be noted that the RHR heat exchanger is not used in the LPCI mode of operation and venting to prevent buildup of all non-condensable gases in the shutdown cooling containment spray and steam condensing modes are discussed.

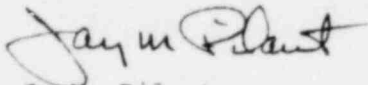
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In agreement with the BWR Owners Group and for the reasons given above, the District does not consider it necessary to initiate a special study to address the Reference 1 question, particularly for the RHR system.

If you would like to discuss this response further, please call me.

Sincerely,

A handwritten signature in dark ink, appearing to read "J. M. Pilant". The signature is fluid and cursive, with the first name "J" being particularly large and stylized.

J. M. Pilant
Division Manager of Licensing
and Quality Assurance

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