



Nebraska Public Power District

GENERAL OFFICE
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October 22, 1982

Office of Nuclear Reactor Regulation
Operating Reactors Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Domenic B. Vassallo, Chief

Dear Mr. Vassallo:

Subject: Justification for Continued Operation for Cooper
Nuclear Station Regarding General Electric DC Motor
Controllers

At the request of your staff, this letter is to provide the District's answer to the subject concern.

For the case of a High Energy Line Break (HELB), a review of the accident mitigation functions of the General Electric (GE) motor controllers was performed. This review indicated that if a controller is exposed to the harsh environment produced by a HELB and fails to operate, a redundant controller physically isolated from the harsh environment is available to mitigate the accident. Therefore, failure of the GE controllers due to a harsh environment will not affect safe shutdown of the plant. For the maximum post-LOCA radiation exposure specified for these controllers, a comparison was made to the radiation damage threshold for typical materials of construction for components of this type. In the District's judgement, these controllers will operate satisfactorily after exposure to the specific radiation dose.

Should you have any further questions regarding this matter, please contact me.

Sincerely,

Jay M. Pilant
Division Manager of Licensing
and Quality Assurance

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