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October 12, 1976

Director of Nuclear Reactor Regulation  
Att: Mr Albert Schwencer, Chief  
Operating Reactor Branch No 1  
US Nuclear Regulatory Commission  
Washington, DC 20555



DOCKET 50-255 - LICENSE DPR-20 -  
PALISADES PLANT - VESSEL TRANSIENT LOADS

By letter dated July 28, 1976 we advised you that the results of a probability study concerning vessel transient loads would be submitted formally in August 1976. This letter is to advise you that this study has now been formally submitted.

The report was submitted by letter to Karl Goller from R C Erdmann dated September 15, 1976. This letter transmitted a report titled "An Analysis of the Relative Probability of Failure at Various Locations in the Primary Cooling Loop of a Pressurized Water Reactor Including the Effects of a Periodic Inspection" (Report No SAI-001-PA). The report was prepared by Science Application (SAI) and is dated June 1976.

As stated previously, we conclude, based on the above-referenced report, that the probability of a failure of the reactor coolant system in the annular region between the reactor vessel and the cavity shield wall is acceptably small.

David A. Bixel  
Assistant Nuclear Licensing Administrator

CC: JGKepler, USNRC

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