



**Consumers
Power
Company**

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January 6, 1981

Director, Nuclear Reactor Regulation
Att Mr Dennis M Crutchfield, Chief
Operating Reactors Branch No 5
US Nuclear Regulatory Commission
Washington, DC 20555

DOCKET 50-255 - LICENSE DPR-20 -
PALISADES PLANT - TURBINE DISC
CRACKING INFORMATION - UPDATE

A turbine inspection conducted during our 1979-1980 refueling outage revealed a couple of indications of disc cracking in the keyways on the Palisades Plant's turbine low-pressure A and B rotors.

With the increase in the amount of disc crack indications observed in the Westinghouse turbine systems, the NRC requested (letter dated February 25, 1980) information to be provided on site specific as well as on a generic basis. This information for Consumers Power Company's Palisades Plant was submitted to the NRC on March 21, 1980.

Westinghouse Electric Corporation transmitted to us (letter dated December 17, 1980) new information on turbine disc properties. This information differs from the previously supplied information in that a more sophisticated calculational model which accounts for thermal and steam bending stresses is now used.

As a result of a meeting between Messrs J Schmerling of Westinghouse, W J Ross, W S Hazelton and others of the NRC staff on October 7, 1980, it was agreed that the attached information be resubmitted.

The attached turbine disc information (Appendix A) contains proprietary information of the Westinghouse Electric Corporation. A nonproprietary version is also provided. Copies of the previously submitted Application for Withholding AW-80-(6) dated March 14, 1980 and the associated affidavit are attached (Appendix B) and are equally applicable to this new material. Accordingly, it is requested that the subject Westinghouse proprietary information be withheld from public disclosure in accordance with the provisions of 10 CFR 2.790 of the Commission's regulations.

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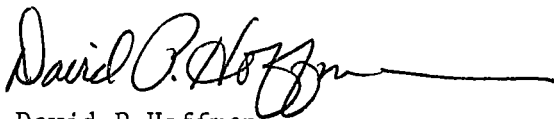
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Director, Nuclear Reactor Regulation
Palisades Plant
Date

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Correspondence with respect to the affidavit or application for withholding should reference AW-80-(6) and should be addressed to Mr E J Barsness, Manager, CR Disc Program, Westinghouse Electric Corporation, Steam Turbine Division, N206, Lester Branch Box 9175, Philadelphia, PA 19113.



David P Hoffman
Nuclear Licensing Administrator

CC Director, Region III, USNRC
NRC Resident Inspector-Palisades

Attachment