



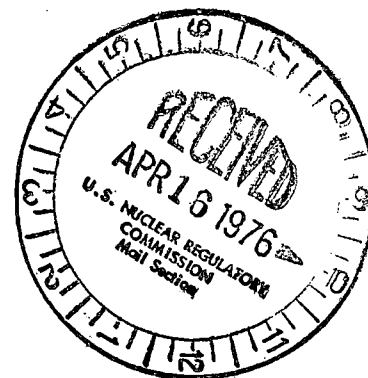
**Consumers  
Power  
Company**

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

April 15, 1976

## REGULATORY DOCKET FILE COPY

Director of Nuclear Reactor Regulation  
Att: Mr Robert A. Purple, Chief  
Operating Reactor Branch No 1  
US Nuclear Regulatory Commission  
Washington, DC 20555



DOCKET 50-255, LICENSE DPR-20 -  
PALISADES PLANT - ADDITIONAL RESPONSE  
TO QUESTION 4.A.4 - CYCLE 2, RELOAD FUEL

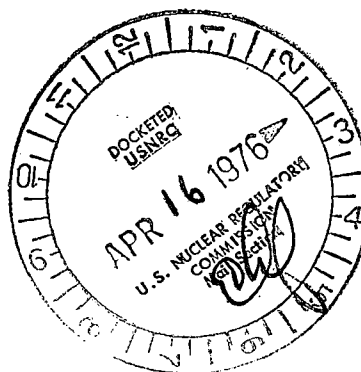
This letter is written to provide additional information with respect to Question 4.A.4 (see letter dated March 10, 1976). Other responses to this question were submitted by letters dated March 20 and April 8, 1976.

With respect to the supplemental analysis provided with our April 8, 1976 letter (1.0 DES/PD break), Exxon Nuclear has reviewed the analysis for peak metal-water reaction and found that the maximum oxidation at any point is nine to ten percent. The total hydrogen release is calculated to correspond to much less than one percent of the zirconium reacting with water. This analysis was presented as "Preliminary." However, the numbers (results) contained in the analysis are considered final.

*David A. Bixel*

David A. Bixel  
Assistant Nuclear Licensing Administrator

CC: JGKeppler, USNRC



~~STEC~~

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