



Consumers
Power
Company

DmB

December 14, 1983

James G Keppler, Administrator
Region III
US Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

DOCKET 50-255 - LICENSE DPR-20 -
PALISADES PLANT - SUPPLEMENT TO 10 CFR 21 REPORT DATED DECEMBER 22, 1982 -
INCORRECT BORON STANDARDS

Consumers Power Company submitted a 10 CFR 21 Report entitled "Defective Boron Standard" on December 22, 1982. This report stated that a boron standard purchased from J T Baker Chemical Company contained less boron than specified on the label. Another Consumers Power Company Report, dated June 3, 1983, (ACK 83*005 as referenced by IE Inspection Report 050-255/83-19) stated that the standard contained the proper boron concentration but the pH was lower than specified on the label. Consumers Power Company stated, during the August 1983 Routine Safety Inspection, that a Supplement to the 10 CFR 21 Report would be submitted. The following is the supplemental information.

On May 23, 1983, an independent evaluation determined that boron standard (Lot #133107) received from the J T Baker Chemical Company did indeed contain the proper boron concentration (1000 ppm), however, the pH of the boron standard was too low. The low pH interfered with the titration procedure used at the Palisades Plant to the extent that 10% less boron was detected in the standard.

The results of this investigation supports the conclusion that the current Palisades titration procedure is appropriate and will continue to be used.

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Nevertheless, this procedure will be examined against the corresponding procedures used at other plants to identify/correct potential analytical weaknesses. All boron standards from J T Baker Chemical Company Lot #133107 have been returned to Baker for replacement.



Brian D Johnson
Staff Licensing Engineer

CC Director, Office of Nuclear Reactor Regulation
Director, Office of Inspection and Enforcement
NRC Resident Inspector - Palisades