J. G. Keppler, RO:III

FS&EB ACTION CONTROL FORM

A. Action Code CDR #228

Name of Licensee and Facility Consumers Power Company - Midland

Docket No. or License No. 50-329/330

Title CDR Evaluation and Followup

Origin CDR Date Rec'd _____

B. FS&EB Branch Coordinator:

Bryan X Dreher _____

Ellis _____ Paulus _____

Completion Requested by _____

C. Action Requested of:

ADREMP _____ M&PPOB _____ EPB _____ RPB _____ ADCO _____

OB _____ CB _____ TAB _____ OOE _____ Region III

Date Requested 2/13/74 Completion Requested by Routine Handling

Reference Letter dated Jan. 28, 1974 from Stephen H. Howell to Knuth

D. Action Requested

In accordance with PI 0600/6, "Construction Deficiency Reporting", the Consumers Power Company's Midland deficiency report of January 28, 1974 covering design control-prototype testing is being assigned to Region III for evaluation of the technical adequacy of the corrective action and the final resolution of the deficiency.

E. Date Action Completed _____

Close-out (Date & Method) _____

Comments: If completion date is not consistent with your work schedule, please let us know.

J. G. Davis, Deputy Director
for Field Operations
Directorate of Regulatory Operations

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Stephen H. Howell
*Vice President*

Consumers Power Company

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

January 22, 1974

MIDLAND PLANT
Safety Analyses
Docket Nos 50-329 and 50-330



Mr. A. Giambusso, Deputy Director
Reactor Projects
Directorate of Licensing
Office of Regulation
US Atomic Energy Commission
Washington, DC 20543

Dear Mr. Giambusso:

Babcock & Wilcox has notified us of a change they are making in the specific heat curve for $UO_2$ fuel as utilized in some of their transient computer codes. This change will be reflected in the higher value of the specific heat for elevated fuel temperatures.

The studies necessary to quantify the impact that this revision may have on the safety analyses reported in the Preliminary Safety Analysis Report are under way. The general effect will be a change in the level of stored energy of fuel as well as in the time response of some transients. Based on Babcock & Wilcox's present evaluation, this revision will not affect the steady state analysis because the basic data from which the curve is derived are valid. It is these basic data that are used for the steady state calculations. The particular effect on kinetic behavior is determined only by an evaluation of the safety analyses. To indicate the magnitude of this revision, preliminary calculations on Oconee 2 show that a reduction in the maximum linear heat rate of less than 1.0 kW/ft should offset the effects of this change in the specific heat.

We will revise the safety analyses to reflect these changes and submit the revised analyses with the Final Safety Analysis Report. We understand that Babcock & Wilcox will be discussing this information with you on a generic basis in an effort to keep you fully informed of further developments.

Yours very truly,

Stephen H. Howell

SHH/sjb

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