



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

September 13, 1993

Docket No. 50-255

Mr. Gerald B. Slade
Plant General Manager
Palisades Plant
Consumers Power Company
27780 Blue Star Memorial Highway
Covert, Michigan 49043

Dear Mr. Slade:

SUBJECT: SAFETY EVALUATION FOR COMBUSTION ENGINEERING OWNERS GROUP REPORT
CEN-387-P, REVISION 1, "PRESSURIZER SURGE LINE FLOW STRATIFICATION"
(BULLETIN 88-11) (TAC NO. M72151)

By letters dated March 2 and December 1, 1989, you responded to NRC Bulletin 88-11, "Pressurizer Surge Line Thermal Stratification," and indicated that you were participating in the Combustion Engineering Owners Group (CEOG) effort to evaluate pressurizer surge line thermal stratification. The staff and its consultant, Brookhaven National Laboratory, have completed their review of the CEOG Report CEN-387-P. The staff concludes that the CEOG analysis adequately demonstrates that the bounding surge line and nozzles meet ASME Code stress and fatigue requirements for the 40-year design life of the facility considering the phenomenon of thermal stratification and thermal striping. The staff's safety evaluation of CEN-387-P, Revision 1, is enclosed.

Action 1.d of Bulletin 88-11 required licensees to update their stress and fatigue analyses to ensure compliance with applicable Code requirements. The CEOG Report can be used to update plant-specific Code stress reports as required by Item 1.d. Please verify the applicability of the CEOG bounding analysis in CEN-387-P, Revision 1 to the Palisades Plant. In addition, please confirm that all actions required by Bulletin 88-11, including the updating of the plant-specific stress and fatigue analyses required by Action 1.d, have been completed. Your response is requested within 60 days of receipt of this letter.

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This request is covered by Office of Management and Budget Clearance Number 3150-0011, which expires June 30, 1994. The estimated average number of burden hours was already accounted for in the original bulletin, NRC Bulletin 88-11, "Pressurizer Surge Line Thermal Stratification," dated December 20, 1988.

Sincerely,

ORIGINAL SIGNED BY

Anthony H. Hsia, Project Manager
Project Directorate III-1
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Office of Nuclear Reactor Regulation

Enclosure:
Safety Evaluation

cc w/enclosure:
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Mr. Gerald B. Slade
Consumers Power Company

Palisades Plant

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