

December 5, 1997

Mr. Thomas C. Bordine
Manager, Licensing
Palisades Plant
27780 Blue Star Memorial Highway
Covert, MI 49043

SUBJECT: PALISADES PLANT - REQUEST FOR ADDITIONAL INFORMATION RELATED
TO CONSUMERS ENERGY COMPANY'S PRIMARY COOLANT PUMP
FLYWHEEL INSPECTION TECHNICAL SPECIFICATION CHANGE REQUEST
(TAC NO. M94567)

Dear Mr. Bordine:

The staff requires additional information in order to complete our review of your primary coolant pump flywheel inspection technical specification change request submitted January 18, 1996, and supplemented on October 1, 1997. The enclosed questions were discussed with members of your staff by telephone on November 18, 1997. Please provide a response to the enclosed questions within 30 days of the date of this letter. If you have any questions regarding this request, please contact me at 415-1312.

Sincerely,

ORIGINAL SIGNED BY

Robert G. Schaaf, Project Manager
Project Directorate III-1
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

DF011

Docket No. 50-255

Enclosure: Request for Additional Information

cc w/encl: See next page

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Consumers Energy Company

Palisades Plant

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July 1997

**REQUEST FOR ADDITIONAL INFORMATION RELATED TO
CONSUMERS ENERGY COMPANY'S
PRIMARY COOLANT PUMP FLYWHEEL INSPECTION
TECHNICAL SPECIFICATION CHANGE REQUEST**

This request for additional information refers to Consumers Energy Company's technical specification change request submittals dated January 18, 1996, and October 1, 1997.

The application of topical report SIR-94-080-A, "Relaxation of Reactor Coolant Pump Flywheel Inspection Requirements," to Palisades requires that the licensee (1) verify the reference temperature, RT_{NDT} , for the flywheel material (ASTM A-108 (1017) low carbon steel), and (2) justify the use of the K_{Ic} vs. $(T-RT_{NDT})$ curve in Appendix A of Section XI of the ASME Code. It does not appear as if these requirements have been adequately addressed in the licensee's submittals. Please provide:

- (1) Plant-specific test data or data from other sources to demonstrate that the NDT is 40 °F and the RT_{NDT} is also 40 °F.
- (2) Plant-specific test data or data from other sources to demonstrate that the K_{Ic} vs. $(T-RT_{NDT})$ curve for ASTM A-108 (1017) low carbon steel is similar to the K_{Ic} vs. $(T-RT_{NDT})$ curve in Appendix A of Section XI of the ASME Code derived from test data for SA 533B and SA 508 materials. The cited 100 ksi-in^{1/2} was estimated from the ASME curve; however, the applicability of the ASME curve to the Palisades flywheel material has not been established.

Distribution for Letter to Consumers Energy Co., Palisades Plant, dated: December 5, 1997

Docket File (50-255)

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