

April 13, 1995

Mr. Kurt M. Haas  
Plant Safety and Licensing Director  
Palisades Plant  
27780 Blue Star Memorial Highway  
Covert, MI 49043

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SUBJECT: PALISADES PLANT - REQUEST FOR ADDITIONAL INFORMATION RE: PROJECT  
PLAN FOR ADDRESSING ALLOY 600 ISSUES (TAC NO. M91739)

Dear Mr. Haas:

The staff is currently reviewing the information you provided in a submittal of February 27, 1995. The submittal provides the project plan for addressing Alloy 600 issues at the Palisades Plant. We require additional information to complete our review on this subject. We request that the data be submitted within 10 working days from the date of this letter. This schedule has been set to ensure that a timely review is performed. If you have any questions regarding this request, please contact me at (301) 415-3024.

The requirement affects nine or fewer respondents and therefore is not subject to the Office of Management and Budget review under P.L. 96-511.

Sincerely,

Original signed by

Marsha K. Gamberoni, Project Manager  
Project Directorate III-1  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

Docket No. 50-255

Enclosure: Request for Additional Information

cc w/encl: See next page

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Mr. Kurt M. Haas  
Consumers Power Company

Palisades Plant

cc:

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REQUEST FOR ADDITIONAL INFORMATION  
FOR PALISADES PROJECT PLAN FOR ADDRESSING  
ALLOY 600 ISSUES

- (1) Spray Nozzle Safe End and Surge Nozzle Safe End sections both postulate corrosion rates and times to failure. Where did this data come from? (page 22)
- (2) Safety Valve Flanges states that the nozzle girth butt welds were post-weld stress relieved making them less susceptible to PWSCC [primary water stress-corrosion cracking] than Alloy 600 safe ends. What heat treatment was performed? At what temperature and soak times? (page 22)
- (3) Control Rod Drive Mechanism (CRDM) Nozzle. Is there a potential for core problems with PWSCC of CRDMs at Palisades? What is the risk? Have PRAs [probabilistic risk assessments] been performed? Has the licensee analyzed for failures? (page 24)
- (4) Safe End and Full Penetration Welded Nozzle. How were the crack growth rates established? (page 25)
- (5) Identify PWSCC inspection methods and procedures. Do any of the mockups have implanted SCC cracks or are they machined notches only (EDM [electro discharge machined])? (page 29)
- (6) Safety vs. Nonsafety Components. What unique contributing factors for PWSCC were evaluated for Palisades? (page 44)
- (7) What are "enhanced" ultrasonic examinations? (page 51, 7.2.1)
- (8) What is the time frame for these evaluations? (page 52, 7.2.2)