

April 9, 1984

Docket No. 50-255  
LS05-84-04-010

Mr. David J. Vandewalle  
Nuclear Licensing Administrator  
Consumers Power Company  
1945 West Parnall Road  
Jackson, Michigan 49201

Dear Mr. Vandewalle:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - TECHNICAL SPECIFICATION  
CHANGE FOR OPERATION WITH 50% STEAM GENERATOR TUBE PLUGGING

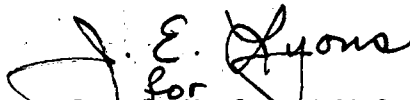
Re: Palisades Plant

As the result of our review of your March 16, 1984 submittal regarding operation with up to 50% of the steam generator tubes plugged, we find that we need additional information identified in the enclosure.

To meet your requested restart schedule, we will need your response by April 23, 1984. A copy of the enclosure was telecopied to your staff on April 9, 1984.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore OMB clearance is not required under P.L. 96-511.

Sincerely



for  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

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EX(04)

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PDR ADDOCK 05000255  
P PDR

Mr. David J. Vandewalle

cc

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Isham, Lincoln & Beale  
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One First National Plaza  
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Mr. Paul A. Perry, Secretary  
Consumers Power Company  
212 West Michigan Avenue  
Jackson, Michigan 49201

Judd L. Bacon, Esquire  
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Jackson, Michigan 49201

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Nuclear Regulatory Commission, Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Township Supervisor  
Covert Township  
Route 1, Box 10  
Van Buren County, Michigan 49043

Office of the Governor  
Room 1 - Capitol Building  
Lansing, Michigan 48913

Palisades Plant  
ATTN: Mr. Robert Montross  
Plant Manager  
Covert, Michigan 49043

U.S. Environmental Protection Agency  
Federal Activities Branch  
Region V Office  
ATTN: Regional Radiation Representative  
230 South Dearborn Street  
Chicago, Illinois 60604

Resident Inspector  
c/o U.S. NRC  
Palisades Plant  
Route 2, P. O. Box 155  
Covert, Michigan 49043

Lee E. Jager, P.E., Chief  
Environmental and Occupational  
Health Services Administration  
Michigan Department of Public Health  
3500 N. Logan Street  
Post Office Box 30035  
Lansing, Michigan 48909

ENCLOSURE

QUESTIONS ON PALISADES TECHNICAL SPECIFICATION CHANGE FOR OPERATION WITH 50%  
S. G. TUBE PLUGGING (XN-NF-84-14)

1. The present analysis has been predicated on a 60% - 40% tube failure rating. How well would the analytical methods predict a more lopsided tube plugging and what would be the effect on reactor operation? (assume that the tube plugging does exceed the level of 50% total)
2. The level of the proposed steam generator tube plugging is beyond the range of anything the staff has reviewed and the industry has experienced in the past. Therefore, how did you assure yourself of the adequacy of the calculations for the loop flow and the loop dependent parameters?
3. For a 60% - 40% operation one would expect significant core power tilt. What were the results of your calculations on core power tilt prediction?
4. In view of 2 above, how well have the analytical methods predicted core performance with plugged tubes? Were there any extrapolations made for the methods used? Will the licensee institute a verification program to monitor performance as a function of the number of tubes plugged?