

April 15, 1988

Docket No: 50-255

Mr. Kenneth W. Berry  
Director, Nuclear Licensing  
Consumers Power Company  
1945 West Parnall Road  
Jackson, Michigan 49201

Dear Mr. Berry:

SUBJECT: NUREG-0737, Item II.K.3.5 REACTOR COOLANT PUMP TRIP (TAC NO. 49700)

During our review of your response to Generic Letter 86-06 regarding the subject item, we find that we need additional information to complete our review. The enclosure to this letter gives our specific information request. Please respond within 60 days of receipt of this letter.

This request for information affects less than ten respondents. Accordingly, OMB clearance is not required under PL 96-511.

Sincerely,

Thomas V. Wambach, Project Manager  
Project Directorate III-1  
Division of Reactor Project - III, IV, V  
& Special Projects

Enclosure: As stated  
PD31: DRSP  
TWAMBACH *TVM*  
4/14/88

PD31: DRSP *TRP*  
MVIRGILIO  
4/15/88

DISTRIBUTION  
DOCKET FILE  
NRC & LOCAL PDRs  
PD31 GRAY FILE  
GHOLAHAN  
RINGRAM  
TWAMBACH  
OGC  
EJORDAN  
JPARTLOW  
ACRS (10)

8804210396 880415  
PDR ADOCK 05000255  
P PDR

Mr. Kenneth W. Berry  
Consumers Power Company

Palisades Plant

cc:

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ADDITIONAL QUESTIONS ON  
CONSUMERS POWER'S RESPONSE TO  
GENERIC LETTER 86-06  
IMPLEMENTATION OF TMI ACTION ITEM II.K.3.5  
FOR  
PALISADES

1. Consumers Power's letter of May 29, 1987 stated that reactor coolant system pressure was used to trip the first set of pumps. It also stated that secondary pressure and containment radiation and secondary system radiation were used to distinguish steam line breaks and tube ruptures from small break LOCAs. However, the letter did not provide the plant specific setpoints for these parameters. Identify the setpoints used to determine when to trip the first and second set of pumps.
2. The letter of May 29, 1987 provided preliminary estimates of the instrument uncertainties for normal and accident conditions. Provide the final uncertainties for review. Also, for the setpoints identified in response to question 1, discuss how the effects of instrument uncertainty were included in determining the setpoints for primary pressure, secondary pressure, and containment and secondary reactivity.
3. Consumers Power did not provide sufficient information in its May 29, 1987 response to GL 86-06 item 3 to determine how the uncertainties in the generic analysis presented in CEN-268 affect the results as they apply to Palisades. Therefore, identify the Palisades plant specific features not representative of the reference plant used in the analyses presented in CEN-268 to determine the setpoints for tripping the first and second sets of pumps. At a minimum, Consumers Power should discuss core power; decay heat; HPIS capacity; makeup flows; setpoints for steam generator safety valves; steam generator tube areas; and setpoints for reactor trip, safety injection, and accumulator injection. Show that the values used in the generic analysis are either representative of those at Palisades or

conservative. If a reference plant parameter is not representative for Palisades, discuss how this was considered in determining the plant specific setpoints.

4. Consumers Power did not identify which emergency operating procedures (EOPs) require the use of RCP pump trip guidelines in its response to GL 86-06, item 4. Identify the EOPs (EOP title and number) to complete the review of this item.
  
5. Consumers Power indicated in its May 29, 1987 response to GL 86-06 that one of the parameters used to determine whether the second set of pumps should be tripped was containment radiation. In CEN-268, Rev. 1, and in CEN-268, Supplement 1, Rev. 1, it was stated that a containment radiation alarm was no longer recommended for use in the T2/L2 pump trip strategy. This was because containment radiation was determined not to have satisfactory sensitivity. In light of the recommendations in CEN-268, Rev. 1, justify continued use of this parameter in the Palisades pump trip strategy. Provide information to show the Palisades containment radiation alarms are sufficiently sensitive to perform the function assigned them in the Palisades plant specific T2/L2 pump trip strategy.