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Project Directorate I-2

SUBJECT: Submits revised insp requirements for RHR pump motor oil cooler.All RHR coolers will be replaced within 5 yrs & results of destructive testing will be used to calculate required replacement interval for installed coils.

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JUL 26 1991

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Director of Nuclear Reactor Regulation
Attention: Dr. W. R. Butler, Project Director
Project Directorate I-2
Division of Reactor Projects
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Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
RHR PUMP MOTOR OIL COOLER INSPECTION **Docket Nos. 50-387**
PLA-3617 FILES R41-2/A22-7D **and 50-388**

Reference: *Letter, PLA-3457, H.W. Keiser to W.R. Butler, "Final Report on RHR Motor Oil Cooler Failures", dated November 12, 1990.*

Dear Dr. Butler:

In the referenced letter, PP&L committed to revise the current inspection requirements for the RHR pump motor oil coolers in order to insure that they are replaced prior to the end of their useful life and to evaluate the need for a replacement material for the copper coils.

The purpose of this letter is to inform you of our plans with respect to resolving these issues. The following describes our approach with respect to each of these issues:

- Ensure Replacement Prior To The End Of Useful Life - The required replacement interval for these coolers has been established at five years, pending receipt of more definitive failure data. Our plan for the replacement is as follows:

  - All RHR motor oil coolers will be replaced within approximately five years (end of U1-8RIO and U2-7RIO).

  - As coils are replaced, they will be destructively examined to determine the extent of corrosion.

  - The results of the destructive testing will be used to calculate the required replacement interval for the installed coils.

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In addition, to help preserve the life of the coolers,

- The ESW systems will continue to be run in a manner to minimize stagnation in either loop.
- Procedures are being developed to periodically add biocide to the ESW system.

- Evaluation of Replacement Material

  - We have concluded that a replacement material is not required to ensure the ability of the coolers to perform their safety function. Although we will continue to pursue the merits of a material change, the decision to make such a change will be based on a benefit/cost analysis balancing material costs, expected replacement interval, maintenance costs, and ALARA.

We believe this response completes our commitment to you and closes the issue.

Very truly yours,

H. W. Keiser

cc: NRC Document Control Desk (original)
NRC Region I
Mr. G. S. Barber, NRC Sr. Resident Inspector
Mr. J. J. Raleigh, NRC Project Manager