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BUTLER,W.R. Project Directorate I-2

SUBJECT: Forwards followup to 900119 telcon re tin smear on DG cyclinder liners result of mechnical transfer process.

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SUSQUEHANNA STEAM ELECTRIC STATION
DIESEL GENERATORS
PLA-3350 FILE R41-2

Docket Nos. 50-387
and 50-388

Dear Dr. Butler:

This correspondence is a follow-up to a January 19, 1990 telephone call between our respective staffs wherein PP&L committed to provide a summary of our position that tin smear on the diesel generators cylinder liners is a result of a mechanical transfer process and a summary of the peak firing pressures for each diesel generator.

Attachment 1 to this PLA is a calculation which addresses the tin transfer process and Attachment 2 is data relative to the peak firing pressures and angles.

If you have any questions, please contact D. J. Walters at (215) 770-6536.

Very truly yours,

H. W. Keiser

Attachment

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

A001
1/1

ATTACHMENT 1 TO PLA-3350

Piston Tin Loss

PP&L performed a calculation (including a scale drawing) to support our assertion that if the piston is cocked in the liner, it will hit on the bottom of the skirt and below the second oil ring. PP&L has performed calculation M-DEA-026 (attached), which shows that the piston will first touch the liner directly below the second oil ring since this requires the least angle of rotation.