

SEP 1 1987

Docket No. 50-277

Philadelphia Electric Company
ATTN: Mr. J. W. Gallagher
Vice President
Nuclear Operations
2301 Market Street
Philadelphia, Pennsylvania 19101

Gentlemen:

Subject: Fluid Flow Analysis - Peach Bottom, Unit 2

This letter forwards the results of an NRC Region-I sponsored fluid flow analysis of the Peach Bottom Unit 2 feed and condensate system. This analysis was performed for the purpose of assessing the presence of flow patterns that could cause damage to fluid system piping or components in the manner of the Surry pipe rupture which occurred in December, 1986.

The enclosed consultant's report identifies some feed and condensate system locations where wear may be occurring; however, it concludes that no flow patterns would be expected to lead to failures similar to that of Surry. However, it should be noted that this technique is currently under evaluation by the NRC and does not imply that alternate examinations of these systems should not be implemented. This report is being provided to you for information only. No reply to this letter is required.

Sincerely,

ORIGINAL SIGNED BY
WILLIAM V. JOHNSTON

William V. Johnston, Acting Director
Division of Reactor Safety
Region I

Enclosure: As Stated

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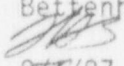
FLUID FLOW ANALYSIS - 0001.0.0
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
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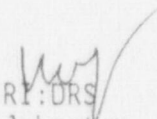
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Thomas S. Shaw, Jr., Vice President, Production
Troy B. Conner, Jr., Esquire
W. H. Hirst, Director, Joint Generation Projects Department,
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Eugene J. Bradley, Esquire, Assistant General Counsel (Without Report)
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bcc w/encl:

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