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 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
 AUTH. NAME AUTHOR AFFILIATION
 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 BUTLER, W.R. Project Directorate I-2

SUBJECT: Advises that util identified five addl transmitters of type described in NRC Bulletin 90-001, "Loss of Fill-Oil in Transmitters Mfg by Rosemount." Transmitters located in warehouse & returned to Rosemount.

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NOTES: LPDR 1 cy Transcripts. 05000387
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Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Harold W. Keiser
Senior Vice President-Nuclear
215/774-4194

MAY 30 1991

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

SUSQUEHANNA STEAM ELECTRIC STATION
SUPPLEMENTAL RESPONSE TO BULLETIN 90-01
LOSS OF FILL-OIL IN TRANSMITTERS
MANUFACTURED BY ROSEMOUNT
PLA-3572 FILE R41-1A

Docket Nos. 50-387
and 50-388

Dear Dr. Butler:

Based on Addenda 1 and 2 to the Rosemount, Inc. Master Suspect List, Susquehanna SES has identified five additional transmitters of concern. Four of these transmitters (Serial Nos. 415955, 415966, 415967 and 415696) were located in our warehouse and have been returned to Rosemount. One transmitter FT-15120B (Serial No. 415968) is installed in the plant to sense RHR drywell spray header flow for Loop B and provide a signal input to flow indicator FI-15120B (0-12,000 GPM). It has no automatic control or protective functions.

During normal operation the transmitter is not maintained at pressure. An undetected failure of FT-15120B could result in erroneous RHR drywell flow indication at FI-15120B. This flow indicator would be used for comparison and any discrepancies would be investigated.

A calibration of FT-15120B was completed on November 11, 1991 at its ~18 month calibration interval and the transmitter was found to be within predetermined "as found" tolerance. Likewise, calibration to within "as left" tolerance was performed without difficulty. Drift data was within the limits set by Rosemount, Inc. Technical Bulletin No. 4 and oil loss was not indicated at the time of calibration. Data evaluation indicated that the transmitter was operable and did not indicate oil loss symptoms.

Based on our current data and the function of the transmitter, we have elected to maintain this transmitter in service. Our drift monitoring program will continue to monitor this transmitter and if oil loss is indicated in the future, action will be taken to correct it then. It should be noted that this transmitter was installed as a replacement for a transmitter previously on the suspect lot list.

9106060055 910530
PDR ADOCK 05000387
Q PDR

DE39

The four suspect transmitters found in the warehouse will be returned to Rosemount, Inc. for repair.

Any questions regarding this response should be directed to Mr. W.W. Williams at (215) 774-7910.

Very truly yours,



H. W. Keiser

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

April 11, 1991

Docket Nos. 50-387
and 50-388

Mr. Harold W. Keiser
Senior Vice President-Nuclear
Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

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Dear Mr. Keiser:

SUBJECT: NRC BULLETIN NO. 90-02: LOSS OF THERMAL MARGIN CAUSED BY CHANNEL BOX BOW, SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, MPA XO-02 (TAC NOS. 76351 AND 76352)

NRC Bulletin 90-02, "Loss of Thermal Margin Caused by Channel Box Bow", dated March 20, 1990 requested all licensees to determine whether any channel boxes are being reused after their first bundle lifetime and, if so, ensure that the effects of channel box bow on the critical power ratio (CPR) calculations are properly taken into account. You responded by letter dated April 19, 1990 (NUDOCS Accession No. 9004260329).

You stated that there are no channel boxes being reused for a second fuel bundle lifetime at Susquehanna Units 1 and 2. Additionally, you have supplied information by a letter dated April 8, 1991 which states that PP&L has taken into account the effects of channel box bow in both the recent Unit 1, Cycle 6, and Unit 2, Cycle 5, reload applications that have been submitted and approved since the issuance of NRC Bulletin 90-02 and will continue to address channel box bow in future reload applications.

This completes the requirements of TAC Nos. 76351 and 76352.

Sincerely,

/S/

James J. Raleigh, Acting Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc: See next page

OFC	: PDI-2/PA	: PDI-2/PA	: PDI-2/D	:	:
NAME	: MO'Brien	: JRaleigh:tlc	: WButler	:	:
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

April 11, 1991

Docket Nos. 50-387
and 50-388

Mr. Harold W. Keiser
Senior Vice President-Nuclear
Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Dear Mr. Keiser:

SUBJECT: NRC BULLETIN NO. 90-02: LOSS OF THERMAL MARGIN CAUSED BY CHANNEL BOX BOW, SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2, MPA X0-02 (TAC NOS. 76351 AND 76352)

NRC Bulletin 90-02, "Loss of Thermal Margin Caused by Channel Box Bow", dated March 20, 1990 requested all licensees to determine whether any channel boxes are being reused after their first bundle lifetime and, if so, ensure that the effects of channel box bow on the critical power ratio (CPR) calculations are properly taken into account. You responded by letter dated April 19, 1990 (NUDOCS Accession No. 9004260329).

You stated that there are no channel boxes being reused for a second fuel bundle lifetime at Susquehanna Units 1 and 2. Additionally, you have supplied information by a letter dated April 8, 1991 which states that PP&L has taken into account the effects of channel box bow in both the recent Unit 1, Cycle 6, and Unit 2, Cycle 5, reload applications that have been submitted and approved since the issuance of NRC Bulletin 90-02 and will continue to address channel box bow in future reload applications.

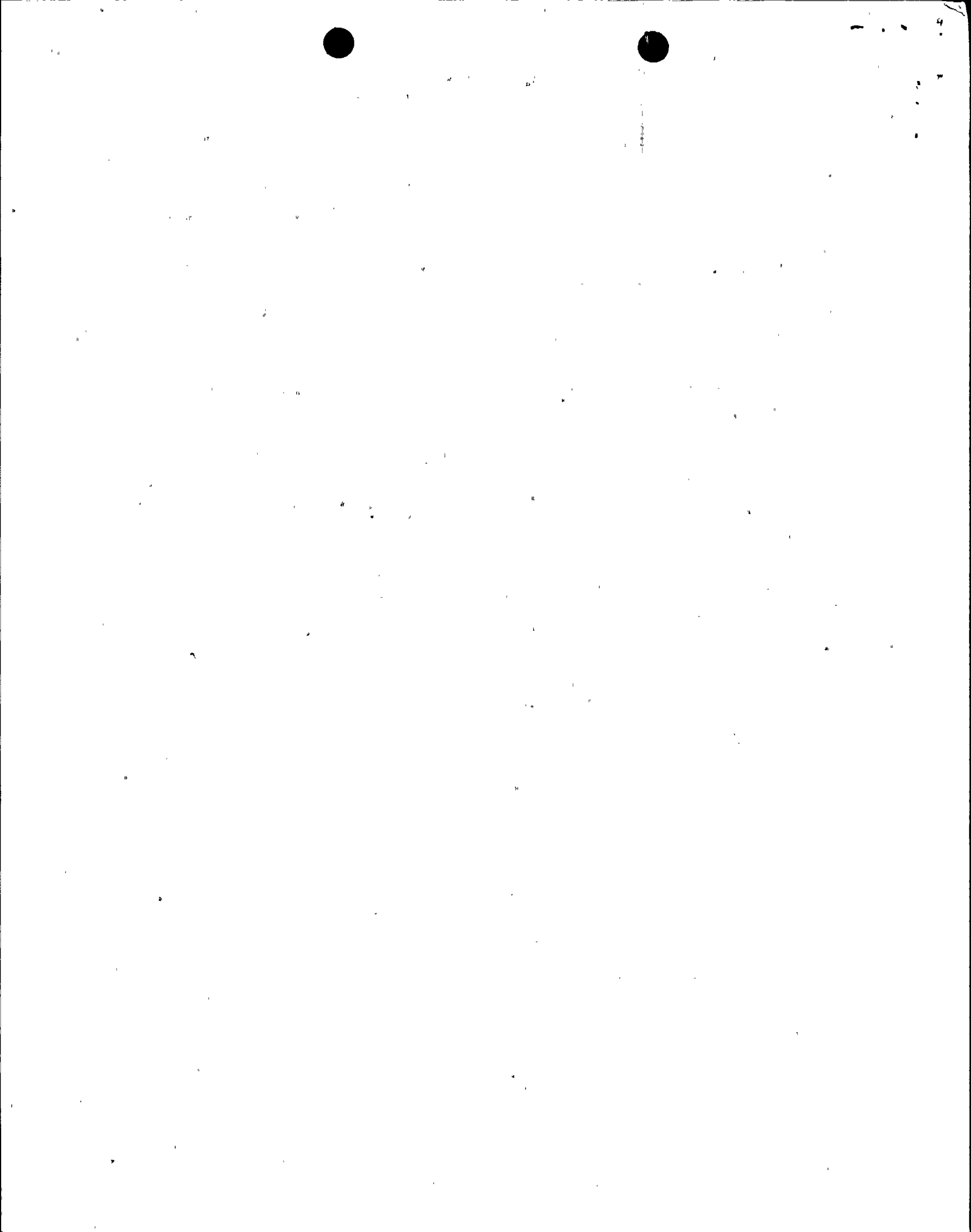
This completes the requirements of TAC Nos. 76351 and 76352.

Sincerely,

A handwritten signature in cursive script that reads "James J. Raleigh".

James J. Raleigh, Acting Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc: See next page



Mr. Harold W. Keiser
Pennsylvania Power & Light Company

Susquehanna Steam Electric Station
Units 1 & 2

cc:

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