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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387  
 AUTH. NAME: CURTIS, N.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.  
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Forwards application to amend License NPF-14, consisting of Proposed Amend 26, revising License Condition 2.C.(18)(e) to extend deadline for qualification of equipment for scram discharge vol break environ.

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 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES: 1cy NMSS/FCAF/PM. LPDR 2cys. 05000387

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| NOTES:    |                           | 3      | 3    |                           |        |      |

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| NAME | ADDRESS             | NAME | ADDRESS             |
|------|---------------------|------|---------------------|
| 1    | 123 Main St         | 1    | 123 Main St         |
| 2    | 456 Elm St          | 2    | 456 Elm St          |
| 3    | 789 Oak St          | 3    | 789 Oak St          |
| 4    | 101 Pine St         | 4    | 101 Pine St         |
| 5    | 202 Birch St        | 5    | 202 Birch St        |
| 6    | 303 Cedar St        | 6    | 303 Cedar St        |
| 7    | 404 Spruce St       | 7    | 404 Spruce St       |
| 8    | 505 Fir St          | 8    | 505 Fir St          |
| 9    | 606 Willow St       | 9    | 606 Willow St       |
| 10   | 707 Poplar St       | 10   | 707 Poplar St       |
| 11   | 808 Sycamore St     | 11   | 808 Sycamore St     |
| 12   | 909 Chestnut St     | 12   | 909 Chestnut St     |
| 13   | 1010 Walnut St      | 13   | 1010 Walnut St      |
| 14   | 1111 Maple St       | 14   | 1111 Maple St       |
| 15   | 1212 Olive St       | 15   | 1212 Olive St       |
| 16   | 1313 Peach St       | 16   | 1313 Peach St       |
| 17   | 1414 Plum St        | 17   | 1414 Plum St        |
| 18   | 1515 Cherry St      | 18   | 1515 Cherry St      |
| 19   | 1616 Apple St       | 19   | 1616 Apple St       |
| 20   | 1717 Pear St        | 20   | 1717 Pear St        |
| 21   | 1818 Banana St      | 21   | 1818 Banana St      |
| 22   | 1919 Orange St      | 22   | 1919 Orange St      |
| 23   | 2020 Lemon St       | 23   | 2020 Lemon St       |
| 24   | 2121 Lime St        | 24   | 2121 Lime St        |
| 25   | 2222 Grape St       | 25   | 2222 Grape St       |
| 26   | 2323 Strawberry St  | 26   | 2323 Strawberry St  |
| 27   | 2424 Raspberry St   | 27   | 2424 Raspberry St   |
| 28   | 2525 Blueberry St   | 28   | 2525 Blueberry St   |
| 29   | 2626 Blackberry St  | 29   | 2626 Blackberry St  |
| 30   | 2727 Elderberry St  | 30   | 2727 Elderberry St  |
| 31   | 2828 Mulberry St    | 31   | 2828 Mulberry St    |
| 32   | 2929 Huckleberry St | 32   | 2929 Huckleberry St |
| 33   | 3030 Boysenberry St | 33   | 3030 Boysenberry St |
| 34   | 3131 Loganberry St  | 34   | 3131 Loganberry St  |
| 35   | 3232 Marionberry St | 35   | 3232 Marionberry St |
| 36   | 3333 Tayberry St    | 36   | 3333 Tayberry St    |
| 37   | 3434 Uva Ursi St    | 37   | 3434 Uva Ursi St    |
| 38   | 3535 Wineberry St   | 38   | 3535 Wineberry St   |
| 39   | 3636 Currant St     | 39   | 3636 Currant St     |
| 40   | 3737 Gooseberry St  | 40   | 3737 Gooseberry St  |
| 41   | 3838 Elderberry St  | 41   | 3838 Elderberry St  |
| 42   | 3939 Raspberry St   | 42   | 3939 Raspberry St   |
| 43   | 4040 Strawberry St  | 43   | 4040 Strawberry St  |
| 44   | 4141 Blackberry St  | 44   | 4141 Blackberry St  |
| 45   | 4242 Blueberry St   | 45   | 4242 Blueberry St   |
| 46   | 4343 Raspberries St | 46   | 4343 Raspberries St |
| 47   | 4444 Raspberries St | 47   | 4444 Raspberries St |
| 48   | 4545 Raspberries St | 48   | 4545 Raspberries St |
| 49   | 4646 Raspberries St | 49   | 4646 Raspberries St |
| 50   | 4747 Raspberries St | 50   | 4747 Raspberries St |



**Pennsylvania Power & Light Company**

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Norman W. Curtis  
Vice President-Engineering & Construction-Nuclear  
215/770-7501

AUG 22 1983

Director of Nuclear Reactor Regulation  
Attention: Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
PROPOSED AMENDMENT 26 TO LICENSE NPF-14  
ER 100450 FILE 841-2  
PLA-1721

Docket No. 50-387

Dear Mr. Schwencer:

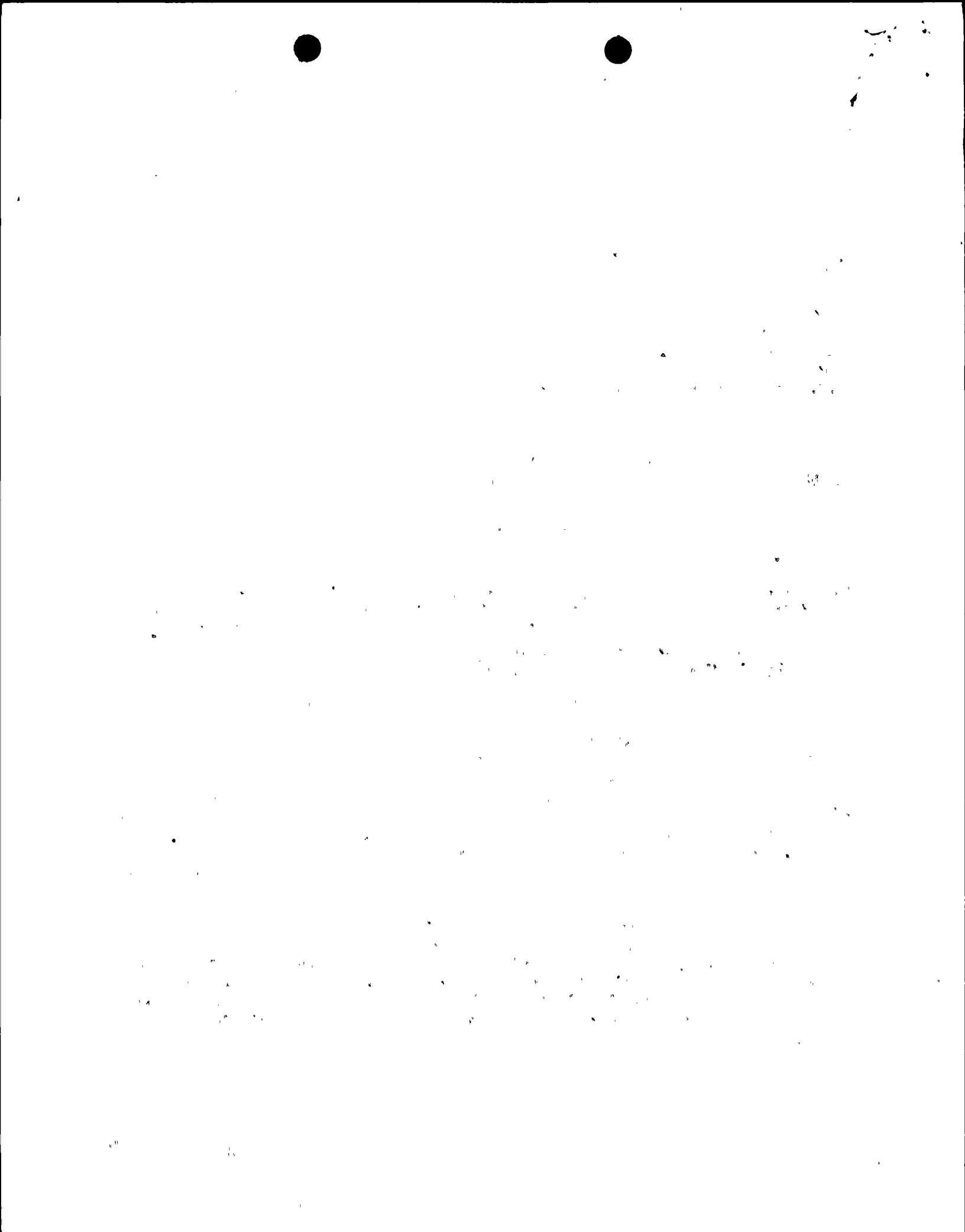
The purpose of this letter is to propose a change to License Condition 2.C.(18)(e) of License No. NPF-14. This condition required PP&L to implement the required equipment qualifications for equipment pursuant to Section 5.3 of NUREG-0803 for an SDV break environment prior to startup following the first refueling outage.

PP&L is a member of the BWR Owner's Group. This group has submitted to the NRC a report, NEDO-22209, which is titled "Analysis of Scram Discharge Volume, System Piping Integrity." PP&L believes that this report demonstrates that the probability of the scram discharge pipe break is sufficiently low to conclude that the frequency of core damage resulting therefrom is a negligible contributor to risk and, therefore, qualification of equipment for scram discharge pipe breaks is not necessary. The staff has indicated a reluctance to resolve this issue on the basis of the above referenced report alone. As a result, we are participating with other Owner's Group members in further study of this issue. A realistic fracture mechanics analysis is planned to determine credible break sizes, if any.

Because of the ongoing work and the staff's indicated receptiveness to this effort, we believe it to be unwise to expend critical manpower and financial resources to qualify additional equipment at this time. Consequently, we are proposing that the deadline for qualification of this equipment be changed to two years or the end of the first refueling outage following the date an NRC position on the qualification of this equipment is finalized, whichever is later.

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PDR

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AUG 22 1983

Page 2

SSES PLA-1721  
ER 100450 File 841-2  
Mr. A. Schwencer

Pursuant to 10CFR50.91(a)(1), PP&L has determined that the proposed amendment involves no significant hazards considerations. An analysis in accordance with 10CFR50.92 is attached.

Pursuant to 10CFR50.91(b)(1), copies of this application and the significant hazards consideration analysis have been provided to the Commonwealth of Pennsylvania.

We have determined this change to be Class III in nature and have enclosed the appropriate fee pursuant to 10CFR170.

Very truly yours,



Norman W. Curtis  
Vice President-Engineering & Construction-Nuclear

Attachments  
Affidavit  
No Significant Hazards Consideration

cc: Mr. Thomas Gerusky, Director  
Bureau of Radiation Protection  
Pennsylvania Department of Environmental Resources  
P. O. Box 2063  
Harrisburg, PA 17120

Mr. R. L. Perch - USNRC



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NO SIGNIFICANT HAZARDS CONSIDERATION

Delaying the qualification of equipment pursuant to Section 5.3 of NUREG-0803 for an SDV break environment to two years or the end of the first refueling outage following the date the NRC's position on qualification of equipment necessary to mitigate the consequences of an SDV break is determined, whichever is later, will not:

- 1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or
- 2) Create the possibility of a new or different kind of accident from any accident previously evaluated; or
- 3) Involve a significant reduction in a margin of safety.

This position is based on:

- 1) The low probability of occurrence of the subject break, particularly during the time frame proposed; and
- 2) Use of condensate to provide reactor water level maintenance.