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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv      05000387  
           50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv      05000388  
 AUTH. NAME                      AUTHOR AFFILIATION  
 KENYON, B. D.                    Pennsylvania Power & Light Co.  
 RECIP. NAME                    RECIPIENT AFFILIATION  
 BUTLER, W. R.                    Project Directorate I-2

SUBJECT: Application for amends to Licenses NPF-14 & NPF-22, modifying  
 Spec 4.8.2.1.d.2.b to increase load profiles for batteries  
 1D612, 1D622, 1D632 & 1D642.

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|           | THADANI, M                | 1    1              |                           |                     |
| INTERNAL: | ACRS                      | 6    6              | ARM/DAF/LFMB              | 1    0              |
|           | NRR/DEST/ADS              | 1    1              | NRR/DEST/CEB              | 1    1              |
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|           | OGC/HDS2                  | 1    0              | <u>REG FILE</u> 01        | 1    1              |
|           | RES/DE/EIB                | 1    1              |                           |                     |
| EXTERNAL: | EG&G BRUSKE, S            | 1    1              | LPDR                      | 2    2              |
|           | NRC PDR                   | 1    1              | NSIC                      | 1    1              |
| NOTES:    |                           | 3    3              |                           |                     |

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Pennsylvania Power & Light Company

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SEP - 1 1987

Bruce D. Kenyon  
Senior Vice President-Nuclear  
215/770-4194

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

SUSQUEHANNA STEAM ELECTRIC STATION  
PROPOSED AMENDMENT NO. 98 TO NPF-14 AND  
PROPOSED AMENDMENT NO. 51 TO NPF-22  
125V D.C. LOAD PROFILES  
PLA-2908            FILES A17-20A, R41-2, S002

Reference: PLA-2867 dated June 10, 1987

Dear Dr. Butler:

Pursuant to 10CFR50.90, Pennsylvania Power & Light Company requests amendments in the in the form of technical specification changes, to Operating Licenses NPF-14 and NPF-22 for Susquehanna Steam Electric Station Units 1 & 2. This request supersedes our previous request made under the referenced letter.

Specifically we are requesting Specification 4.8.2.1.d.2.b be modified to increase the load profiles for batteries 1D612, 1D622, 1D632 and 1D642. These changes are necessary to accommodate the installation of ATWS Alternate Rod Injection solenoid valves, and to recognize additional loads associated with emergency lighting. This request also considers that new larger capacity batteries will be installed in Unit 1 during the upcoming Refueling and Inspection Outage.

The proposed change does not:

- (1) Involve an increase in the probability or consequences of an accident previously evaluated. FSAR Section 8.3.2.1.1.4 states the station batteries have sufficient capacity without the charger, to independently supply the required loads for four hours. The Technical Specifications require the batteries be surveilled to dummy loads which are greater than the design loads. A calculation has been performed by our engineering department which verifies the new batteries have adequate capacity to power the actual loads on the 125V DC system. The new load profile contained in the technical specifications envelopes the actual loads.
- (2) Create the possibility of a new or different kind of accident from any previously evaluated. As stated in Part (1), the batteries have

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in all financial dealings.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It includes a detailed description of the sampling process and the statistical methods employed to interpret the results.

3. The third part of the document presents the findings of the study, which show a clear correlation between the variables being measured. The data indicates that there is a significant impact of the factors being studied on the overall outcome.

4. The final part of the document provides a conclusion and offers recommendations for future research. It suggests that further studies should be conducted to explore the underlying mechanisms and to test the findings in different contexts.

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FILES A17-20A, R41-2, S002 PLA-2908  
Dr. W. R. Butler

sufficient capacity to power the actual battery loads thus enabling them to perform their intended function. Any postulated accident resulting from this change is bound by previous analysis.

- (3) Involve a reduction in the margin of safety. In accordance with IEEE 485, the rated battery capacity is 25% greater than required. This margin allows replacement of the battery when its capacity decreased to 80% of its rated capacity (100% design load). This margin is maintained and was factored into the calculation referred to in Part (1). The proposed increase in technical specification surveillance load profiles maintains or increases the margin between these calculated loads and the tested loads.

We request these amendments be approved and made effective at the conclusion of the Unit 1 3rd Refuel and Inspection Outage.

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

Very truly yours,



Bruce D. Kenyon  
Senior Vice President - Nuclear

cc: NRC Document Control Desk (original)  
NRC Region I  
Mr. L. R. Plisco, NRC Resident Inspection  
Mr. M. C. Thadani, NRC Project Manager



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BEFORE THE  
UNITED STATES NUCLEAR REGULATORY COMMISSION

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In the Matter of :  
PENNSYLVANIA POWER & : Docket No. 50-388  
LIGHT COMPANY :

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PROPOSED AMENDMENT NO. 51  
FACILITY OPERATING LICENSE NO. NPF-22  
SUSQUEHANNA STEAM ELECTRIC STATION  
UNIT NO. 2

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Licensee, Pennsylvania Power & Light Company, hereby files proposed Amendment No. 51 to its Facility Operating License No. NPF-22 dated March 23, 1984.


This amendment contains a revision to the Susquehanna SES Unit 2 Technical Specifications.

PENNSYLVANIA POWER & LIGHT COMPANY  
BY:



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Bruce D. Kenyon  
Senior Vice President - Nuclear



Sworn to and subscribed before me  
this 1st of September, 1987.



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Notary Public  
MARTHA C. BARTO, NOTARY PUBLIC  
ALLENTOWN, LEHIGH COUNTY  
MY COMMISSION EXPIRES JAN. 15, 1990  
Member, Pennsylvania Association of Notaries

UNITED STATES DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION

MEMORANDUM FOR THE DIRECTOR

DATE: 10/15/54

SUBJECT: [Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]





BEFORE THE  
UNITED STATES NUCLEAR REGULATORY COMMISSION

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In the Matter of :  
PENNSYLVANIA POWER & : Docket No. 50-387  
LIGHT COMPANY :

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PROPOSED AMENDMENT NO. 98  
FACILITY OPERATING LICENSE NO. NPF-14  
SUSQUEHANNA STEAM ELECTRIC STATION  
UNIT NO. 1

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Licensee, Pennsylvania Power & Light Company, hereby files proposed Amendment No. 98 to its Facility Operating License No. NPF-14 dated July 17, 1982.

This amendment contains a revision to the Susquehanna SES Unit 1 Technical Specifications.

PENNSYLVANIA POWER & LIGHT COMPANY  
BY:



Bruce D. Kenyon  
Senior Vice President - Nuclear



Sworn to and subscribed before me  
this 1st of September, 1987.



Notary Public

MARTHA C. BARTO, NOTARY PUBLIC  
ALLENTOWN, LEHIGH COUNTY  
MY COMMISSION EXPIRES JAN. 15, 1990  
Member, Pennsylvania Association of Notaries

MEMORANDUM FOR THE RECORD

DATE

TO

FROM

SUBJECT

On [Date], [Name] advised that [Description of Event]

[Additional Information]

[Further Details]



[Signature or Name]

[Title or Position]