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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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Senior Vice President-Nuclear
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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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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 surveilance 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

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

In the Matter of :

PENNSYLVANIA POWER & LIGHT COMPANY : Docket No. 50-388

PROPOSED AMENDMENT NO. 51

FACILITY OPERATING LICENSE NO. NPF-22

SUSQUEHANNA STEAM ELECTRIC STATION
UNIT NO. 2

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:

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

[illegible]

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

In the Matter of :

PENNSYLVANIA POWER & LIGHT COMPANY : Docket No. 50-387

PROPOSED AMENDMENT NO. 98

FACILITY OPERATING LICENSE NO. NPF-14

SUSQUEHANNA STEAM ELECTRIC STATION
UNIT NO. 1

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.

Martha C. Barto
Notary Public

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