UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

August 29, 1988

Docket Nos. 50-387/388

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

Dear Mr. Keiser:

SUBJECT: PROPOSED CHANGE TO FSAR REGARDING NITROGEN BOTTLE STORAGE REQUIREMENTS (TAC NO. 69177 & 69178)

RE: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2

In your letter dated March 10, 1988, you requested approval of a change to the Final Safety Analysis Report (FSAR) section dealing with the availability of the safety related nitrogen storage ($N_2$-bottles) system for ADS actuation following a design basis accident (DBA).

Specifically, you wish to change the $N_2$-bottles storage requirement from 30 days to 3 days because your analysis has shown that, following a small break loss of coolant accident (LOCA), dose rate in the area of charging connections for the $N_2$-bottles will be less than 500 mR per hour from contained sources and 12 mR per hour from airborne activity within one hour, and 1 1/4 days respectively. Therefore, the nitrogen bottles can be resupplied indefinitely after 3 days following a small break LOCA. In response to subsequent telephone questions by the NRC project manager, your staff confirmed that there were no other DBAs which would create harsher radiation environments than those predicted for a small break LOCA.



DF01
1/1

The staff has reviewed your March 10, 1988 analysis as supplemented by the above telephone conversation, and finds that the $N_2$-bottles can be safely resupplied within 3 days following a DBA. Therefore the proposed change is acceptable.

Mohan C. Thadani, Project Manager
Project Directorate I-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

cc w/enclosure
See next page

The staff has reviewed your March 10, 1988 analysis as supplemented by the above telephone conversation, and finds that the $N_2$-botles can be safely resupplied within 3 days following a DBA. Therefore the proposed change is acceptable.

/s/

Mohan C. Thadani, Project Manager
Project Directorate I-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

cc w/enclosure
See next page

DISTRIBUTION
Docket File
NRC PDR/LPDR
PDI-2 Reading
SVarga/BBoger
WButler
MO'Brien
MThadani/DFischer
OGC
EJordan
BGrimes
ACRS (10)

Previously concurred*

| PDI-2/PM* | SRXB/BC* | PDI-2/D* |
|---|---|---|
| MThadani:mr | WHodges | WButler |
| 08/26/88 | 08/29/88 | 08/29/88 |

OFO1
1/1

cc:
Jay Silberg, Esq.
Shaw, Pittman, Potts & Trowbridge
2300 N Street N.W.
Washington, D.C. 20037

Bryan A. Snapp, Esq.
Assistant Corporate Counsel
Pennsylvania Power & Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Mr. E. A. Heckman
Licensing Group Supervisor
Pennsylvania Power & Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Mr. F. I. Young
Resident Inspector
P.O. Box 52
Shickshinny, Pennsylvania 18655

Mr. R. J. Benich
Services Project Manager
General Electric Company
1000 First Avenue
King of Prussia; Pennsylvania 19406

Mr. Thomas M. Gerusky, Director
Bureau of Radiation Protection
Resources
Commonwealth of Pennsylvania
P. O. Box 2063
Harrisburg, Pennsylvania 17120

Mr. Jesse C. Tilton, III
Allegheny Elec. Coorperative, Inc.
212 Locust Street
P.O. Box 1266
Harrisburg, Pennsylvania 17108-1266

Mr. W. H. Hirst, Manager
Joint Generation
Projects Department
Atlantic Electric
P.O. Box 1500
1199 Black Horse Pike
Pleasantville, New Jersey 08232

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406