

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8312230063 DOC. DATE: 83/12/19 NOTARIZED: YES DOCKET #  
 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: Proposed Amend 36 to License NPF-14, changing Tech Spec 3/4.6.5 to include three-zone mixing & allowing operation assuming Unit 2 isolated from standby gas treatment sys & shut down.

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# 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

DEC 19 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 NO. 36 TO LICENSE NO. NPF-14  
ER 100450 FILE 841-8  
PLA-1992

Docket No. 50-387

Dear Mr. Schwencer:

The purpose of this letter is to propose a change to the Susquehanna SES Unit 1 Technical Specification 3/4.6.5. This Technical Specification is being changed due to the revised operation of the Standby Gas Treatment System (SGTS) to include three zone mixing and to allow operation of the unit assuming the other unit is isolated from the SGTS and shutdown.

In Technical Specification 3.6.5.1 the definition of secondary containment has been changed to include three zones when both units are in communication with the SGTS or two zones when one unit is isolated from the SGTS.

Technical Specification 4.6.5.1.b.1 has been revised to clearly identify when the railroad bay access door can be opened as not to violate secondary containment integrity.

Technical Specification 4.6.5.1.b.2.b has been added to clarify that under normal operation secondary containment zones are not connected.

Technical Specification 4.6.5.1.b.3 has been changed to define secondary containment penetrations for the purpose of supporting the revised analysis.

Technical Specifications 4.6.5.1.b.4 and 4.6.5.1.b.5 have been added to the Susquehanna SES Unit 1 Technical Specifications because of allowing three zone mixing of the SGTS.

Technical Specification 4.6.5.1.c.1 has revised the drawdown time from 60 seconds to 13 seconds for drawing down two zones.

Technical Specification 4.6.5.1.C.2 has been added to support the draw down time for the three zones. A revised off-site dose calculation which was previously reviewed by the NRC on the Limerick project shows that the dose (from drawing down three zones in 180 seconds) would increase slightly above the dose from drawing down two zones in 60 seconds using the same dose calculational method. The new dose is below the 10 CFR 100 limits.

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Mr. A. Schwencer

Technical Specification 4.6.5.1.c.4 has been added because of the three zone mixing and specifies the inleakage requirements for three zones.

Technical Specification 4.6.5.1.c.5 has been added to account for a failure of one SGTS train to start and to support our new dose analysis.

No Significant Hazards Determination

- I. The proposed changes do not involve a significant increase in the probability or consequences of an accident previously evaluated. The probability of an accident has not changed due to three zone mixing since analyses for either two or three zone mixing considers single failure of the SGTS. The consequences (off-site dose) of an accident have increased slightly; however, the dose is below the 10CFR100 limits.
- II. The proposed changes do not create the possibility of a new or different kind of accident from any accident previously evaluated because as stated in I above the design of the SGTS accounts for single failures in the system.
- III. The proposed change does not involve a significant reduction in a margin of safety because the SGTS operates within its design limits and the dose to the public is within the 10CFR100 limits.

Pursuant to 10CFR170.22, we have determined the proposed change to be Class III in nature and have enclosed the appropriate fee.

The Technical Specifications for Unit 1 will need to be amended to allow Unit 2 fuel loading which is scheduled for February 10, 1983. Therefore this change should become effective on February 10, 1983.

Very truly yours,



N. W. Curtis

Vice President-Engineering & Construction-Nuclear

Attachment

cc: R. L. Perch - USNRC  
D. R. Hoffman - USNRC

T. M. Gerusky  
Director, Bureau of Radiation Protection  
Fulton Building  
P.O. Box 2063  
Harrisburg, PA 17120

1. The first part of the report discusses the general situation of the country and the progress of the work during the year. It also mentions the results of the various investigations and the conclusions drawn from them.

2. The second part of the report deals with the specific details of the work, including the methods used, the results obtained, and the conclusions drawn from them. It also mentions the progress of the various investigations and the results of the various experiments.

3. The third part of the report discusses the general situation of the country and the progress of the work during the year. It also mentions the results of the various investigations and the conclusions drawn from them.

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5. The fifth part of the report discusses the general situation of the country and the progress of the work during the year. It also mentions the results of the various investigations and the conclusions drawn from them.

6. The sixth part of the report deals with the specific details of the work, including the methods used, the results obtained, and the conclusions drawn from them. It also mentions the progress of the various investigations and the results of the various experiments.

7. The seventh part of the report discusses the general situation of the country and the progress of the work during the year. It also mentions the results of the various investigations and the conclusions drawn from them.

8. The eighth part of the report deals with the specific details of the work, including the methods used, the results obtained, and the conclusions drawn from them. It also mentions the progress of the various investigations and the results of the various experiments.

9. The ninth part of the report discusses the general situation of the country and the progress of the work during the year. It also mentions the results of the various investigations and the conclusions drawn from them.

10. The tenth part of the report deals with the specific details of the work, including the methods used, the results obtained, and the conclusions drawn from them. It also mentions the progress of the various investigations and the results of the various experiments.

BEFORE THE  
UNITED STATES NUCLEAR REGULATORY COMMISSION

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In the Matter of

:

PENNSYLVANIA POWER &  
& LIGHT COMPANY

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Docket No. 50-387

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PROPOSED AMENDMENT NO. 36

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. 36 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.

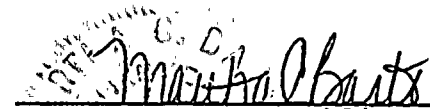
PENNSYLVANIA POWER & LIGHT COMPANY  
BY:



N. W. Curtis

Vice President - Engineering &  
Construction - Nuclear

Sworn to and subscribed before me  
this 19th of November, 1983.

  
Notary Public  
MARTHA C. BARTO, Notary Public  
Allentown, Lehigh County, Pa.  
My Commission Expires Jan. 13, 1986

