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 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388

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 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 BUTLER, W.R. Project Directorate I-2

SUBJECT: Responds to NRC 881018 safety evaluation re util compliance
 w/10CFR50.62, "ATWS. *See Rept.*

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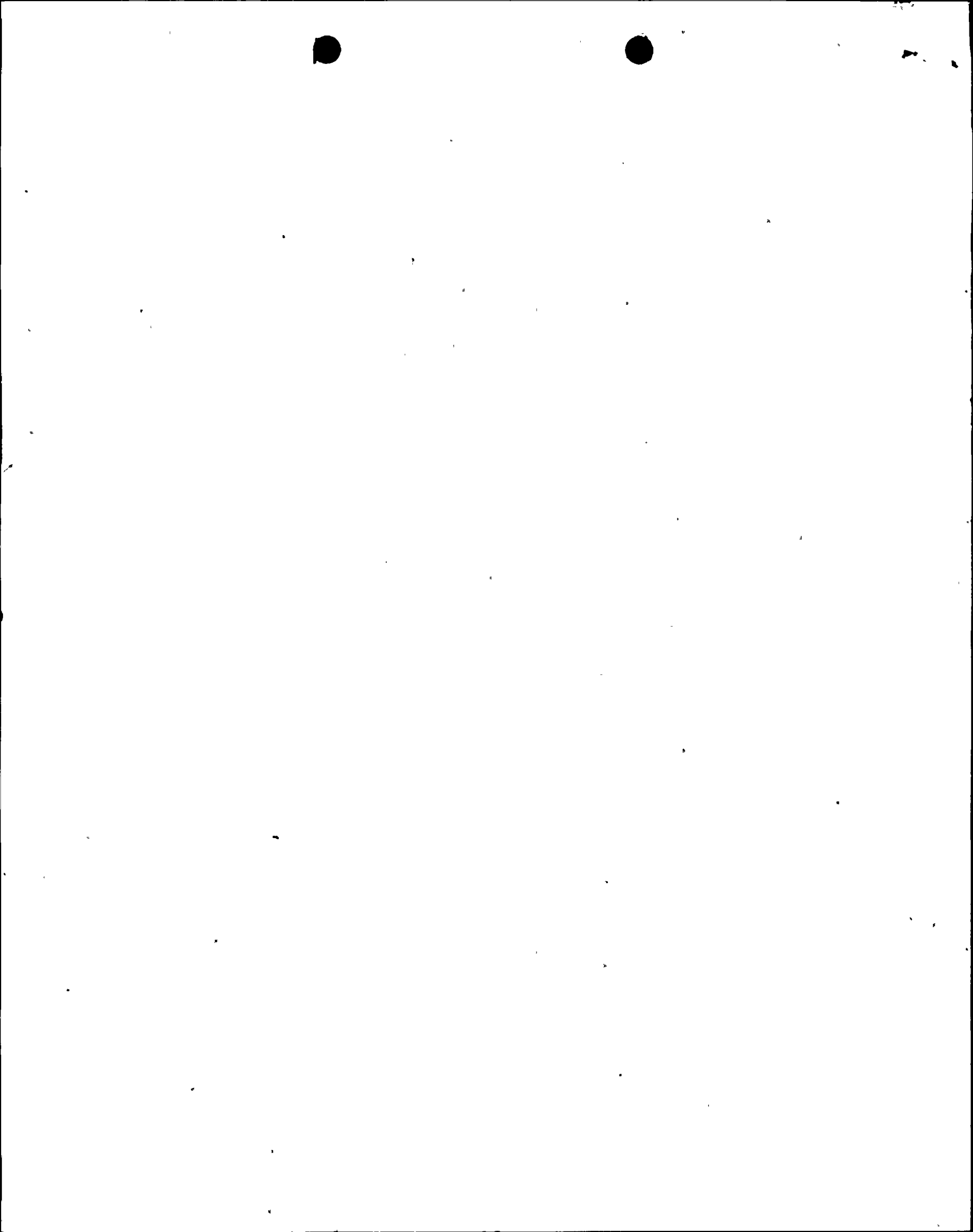
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Harold W. Keiser
Senior Vice President-Nuclear
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MAR 20 1989

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

SUSQUEHANNA STEAM ELECTRIC STATION
ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS)
PLA-3171 FILE A17-20A

Docket Nos. 50-387
and 50-388.

Reference: Letter dated October 18, 1988 from M.C. Thadani (NRC) to
Mr. H.W. Keiser (PP&L)

Dear Dr. Butler:

The referenced letter transmitted NRC's safety evaluation for PP&L's compliance with the requirements of 10CFR50.62, "Anticipated Transient Without Scram." The Staff's findings documented in the safety evaluation were based in part, on PP&L providing the following:

1. Verification by test that the Alternate Rod Injection (ARI) function time is within the design limit; and
2. Submittal of proposed Technical Specification changes which limit the minimum sodium pentaborate concentration to 13.6 weight percent.

The purpose of this PLA is to provide our response to Items 1 and 2 above.

ARI Testing

ARI testing was performed on both Units. Copies of the test procedures and results are included as Attachment 1 to this PLA. The test results indicate that the scram inlet valves will open in less than 15 seconds. This coupled with a maximum allowable rod insertion time of 7 seconds, demonstrates that the ARI function will be completed in less than 25 seconds.

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FILE A17-20A PLA-3171
Dr. W.R. Butler

Standby Liquid Control System (SLCS) Technical Specifications

We do not believe Technical Specification changes are necessary or required in order to comply with 10CFR50.62. The existing Technical Specifications provide an adequate level of protection to public health and safety. The non-safety related systems required by the ATWS rule would only be necessary if several levels of defense in depth fail.

We have revised our Plant procedure (Attachment 2) to include a requirement which limits the minimum sodium pentaborate solution concentration to 13.6 weight percent. We believe this administrative control is adequate given that ATWS is a non-design basis event.

We trust this response addresses the Staff's request and that compliance with 10CFR50.62 is considered complete. If you have any questions, please contact Mr. D.J. Walters at (215) 770-6536.

Very truly yours,



H. W. Keiser

cc: NRC Document Control Desk (original) /
NRC Region I
Mr. M. C. Thadani, NRC Project Manager-Rockville
Mr. F.I. Young, NRC Senior Resident Inspector-SSES



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