

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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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  
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 BUTLER, W.R.      Project Directorate I-2

SUBJECT: Updates 890417 station blackout submittal to reduce min  
           required emergency diesel generator reliability target  
           value from 0.975 to 0.95. Reduction possible via recent mod  
           to diesel generator cooling sys.

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 TITLE: OR Submittal: Station Blackout (USI A-44) 10CFR50.63, MPA A-22

NOTES: LPDR 1 cy Transcripts.      05000387  
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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  
STATION BLACKOUT  
PLA-3525 FILE A17-20F**

- References: 1. PLA-3166 dated 4/17/89 "Station Blackout Rule-10CFR50.63".
2. Safety Evaluation by the Office of Nuclear Reactor Regulation supporting Amendment 100 to NPF-14 and Amendment 68 to NPF-22 dated 9/12/90.

Dear Dr. Butler:

The above referenced correspondence (PLA-3166) documents Pennsylvania Power & Light Company's response to 10CFR50.63 and NUMARC 87-00. This correspondence updates that Station Blackout submittal to reduce the minimum required Emergency Diesel Generator reliability target value from 0.975 to 0.95.

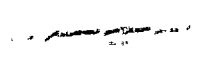
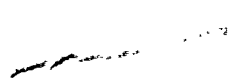
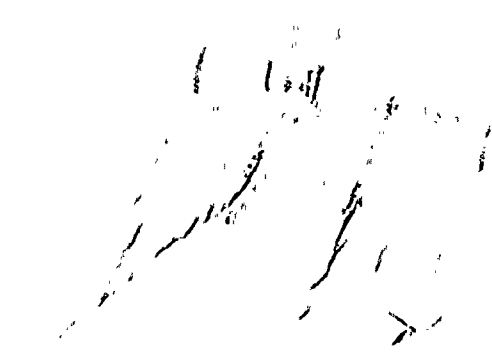
This desired reduction in value is made possible via a recent plant modification to the Diesel Generator Cooling System (ESW system). Specifically, Design Change Package (DCP) 89-3017A&B changed the normally closed spray pond bypass valves to normally open thus eliminating the consequences of an A or B diesel failure. (Loss of an entire loop of RHRSW or ESW.) This modification has been evaluated by the NRR as documented in the above referenced Safety Evaluation.

Therefore, the revised portion of the "Proposed Station Blackout Duration" should read:

- The emergency AC power configuration group is B based on:
  - There are four emergency AC power supplies not credited as alternate AC power sources.

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- Two emergency power supplies are necessary to operate safe shutdown equipment following a loss of offsite power.
- The target Emergency Diesel Generator reliability is 0.95.
- A target EDG reliability of 0.95 was selected based on the above change to Group B and having a nuclear unit average EDG reliability for the last 100 demands greater than 0.95.

If you have any questions please contact A. K. Maron at (215) 774-6536.

Very truly yours,



H. W. Keiser

cc: ~~Document Control Desk (original)~~  
NRC Region I  
Mr. G.S. Barber, NRC Sr. Resident Inspector  
Mr. M.C. Thadani, NRC Project Manager