



Pennsylvania Power & Light Company

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U.S. Nuclear Regulatory Commission
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SUSQUEHANNA STEAM ELECTRIC STATION
SPECIAL REPORT - FIRE PROTECTION
ER 100450 FILE 841-23
PLA-2132

Docket No. 50-387
License No. NPF-14

This special report is being submitted to document the condition whereby a carbon dioxide fire extinguishing system and a related fire barrier damper were inoperable longer than the time allowed by Technical Specification action statements 3.7.6.3.a and 3.7.7.a, respectively. Following surveillance testing of the automatic carbon dioxide fire extinguishing system for the lower relay room, the CO₂ operated fire damper on the ventilation supply duct to the room could not be reset due to a lack of adequate access to the damper. In order to restore supply ventilation to the lower relay room to protect the electronic equipment from overheating, the damper was physically blocked open. As a result of the damper being blocked open the carbon dioxide fire extinguishing system was considered ineffective and was isolated to prevent CO₂ from entering the ventilation system. Two limiting conditions for operation were invoked and a continuous fire watch with backup fire suppression equipment was assigned to the area.

A plant modification was performed to install an access hatch in the ductwork which would be sufficiently sized and located to allow the damper to be reset. The damper was reset and the carbon dioxide system was retested to ensure correct operation. The fire damper and carbon dioxide fire extinguishing system were declared operable on February 21, 1984, and the limiting conditions for operation cleared.

H.W. Keiser
Superintendent of Plant-Susquehanna

TFB/pjg

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