

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

PHONE: (717) 542-2181

ATTACHMENT

LER # 83-097/03L-0

Pennsylvania Power & Light Company
Susquehanna Steam Electric Station
Docket Number: 50-387

On June 24, 1983 at 11:16 AM a transformer failure resulted in a Loss of Off-Site Power (LER 83-092/03L-0). Subsequently, the Reactor Recirculation system shut down. Additionally, the Reactor Water Clean-up (RWCU), which takes suction from the recirculation loops, isolated. The cooldown rate of the idle loops exceeded the 100°F/hr. limit of Technical Specification 3.4.6.1. The cooldown rate was approximately 130°F between 11:17 AM and 12:17 PM. When the RWCU system was returned to service, the heat up rate exceeded the Technical Specification limit of 100°F/hr. The heat-up rate was approximately 140°F between 12:45 PM and 1:15 PM.

Since the recirculation inlet and outlet nozzles, which are the most critical components in the recirculation loops, are closer to the stable heat source, i.e., the reactor vessel, they should have experienced more moderate temperature changes than that measured in the loops during the event. An engineering evaluation of the transients determined that the reactor coolant system remains acceptable for continued operation. Further engineering investigation has been requested to evaluate monitoring techniques for this type event. Additionally, operator response to this type of event is being evaluated to determine if procedural changes are necessary.



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

July 22, 1983

Dr. Thomas E. Murley
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 83-097/03L-0
ER 100450 FILE 841-23
PLA-1758

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

Dear Dr. Murley:

Attached is Licensee Event Report No. 83-097/03L-0. This event was determined to be reportable per Technical Specification 6.9.1.9.b, in that Reactor Recirculation Loop Cooldown and Heatup Rates exceeded 100°F in a one hour period. An engineering evaluation of the transients concluded that the structural integrity of the reactor coolant system was not impaired, and that the system was acceptable for operation.

H.W. Keiser
Superintendent of Plant-Susquehanna

APP/pjg

attachment

cc: G.G. Rhoads
Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 52
Shickshinny, PA 18655

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

IE22
11