

Carolina Power & Light Company

Brunswick Nuclear Plant
P. O. Box 10429
Southport, NC 28461-0429

APR 29 1993

FILE: B09-13510C
SERIAL: BSEP-93-0048

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

BRUNSWICK STEAM ELECTRIC PLANT UNIT 1
DOCKET NO. 50-325
LICENSE NO. DPR-71
SPECIAL REPORT PER TECHNICAL SPECIFICATION 3.7.8 AND
PURSUANT TO TECHNICAL SPECIFICATION 6.9.2 (SR 1-93-006)

Gentlemen:

Unit 1 is in a refuel outage which began on April 8, 1993. The following summarizes fire protection Limiting Condition for Operation (LCO) A2-93-F0300 and A2-93-F0329.

On March 16, 1993, LCO A2-93-F0300 was initiated due to a latch arm gasket rupture on Deluge Valve 16. Deluge Valve 16 supplies water to the sprinkler system in Diesel Generator Cell 4. On March 29, 1993, LCO A2-93-F0329 was initiated due a latch arm gasket rupture on Deluge Valve 22. Deluge Valve 22 supplies water to the south side of the Service Water Building. Both deluge valves have been isolated and placed under clearance. Backup fire suppression is being provided by the standpipe systems and continuous firewatches have been established.

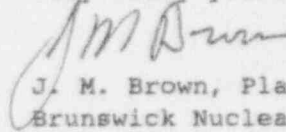
Failure of the deluge valve latch arm gasket has been a repetitive problem and was addressed in Special Report 1-93-004. Brunswick Nuclear Plant believes that gasket failures in these valves are due to an original design deficiency. Engineering investigations are currently underway to establish a permanent solution to the design deficiency. The affected sprinkler systems will be returned to service by June 1, 1993. Compensatory measures will remain in effect until the deluge valves are returned to service. The special report is required

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due to the system being inoperable longer than the 14 days required by Technical Specifications.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'J M Brown', written over the typed name.

J. M. Brown, Plant Manager Unit 1
Brunswick Nuclear Plant

cc: Mr. S. D. Ebnetter
Mr. P. D. Milano
BSEP NRC Resident Office