



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

2mB

50-373

September 6, 1983

PRINCIPAL STAFF			
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James G. Keppler
Regional Administrator
Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Sir:

This Special Report is being submitted in accordance with LaSalle County Nuclear Station Technical Specification 3.5.1.1, concerning ECCS actuation and injection into the reactor coolant system.

On July 18, 1983, the -22 VDC power supply to the EHC system was lost due to troubleshooting being done on the EHC system. The loss of the -22 VDC supply caused feedback to the Bypass Valve Position Unit to be lost. This loss of feedback caused all five main turbine bypass valves to go open causing alterations in reactor water level which caused the following trips:

- Motor Driven Reactor Feedwater Pump high reactor water level trip. High level was due to swell from sudden opening of the bypass valves.
- Reactor Portector System actuation at low reactor water level, +12.5". The drop in level was due to loss of the MDRFP.
- HPCS, RCIC, and PCIS initiations at low reactor water level, -50".

HPCS and RCIC pumps restored reactor pressure vessel level. Upon reactor water level restoration the HPCS pump was secured and the RCIC pump was used to control level.

The total accumulated actuation cycles of the HPCS system into the reactor coolant system is three cycles to date. The individual fatigue usage factor for the HPCS nozzle following the HPCS initiation of July 18, 1983 has been determined to be 0.01428. The total HPCS nozzle fatigue usage factor as of July 18, 1983 is 0.043973.

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If there are any questions concerning this Special Report, contact J. Renwick, LSCS Technical Staff Supervisor.

C E Sargent

for G. J. Diederich
Superintendent
LaSalle County Station

GJD/GW/rg

Encl.

cc: Director of Inspection & Enforcement
Director of Management Information & Program Control
U. S. NRC Document Management Branch
INPO-Records Center
File/NRC