Commonwealth Edison
LaSalle County Nuclear Station
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Marseilles, Illinois 61341
Telephone 815/357-6761

September 17, 1985

PRIORITY ROUTING

FILE

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

Dear Mr. Keppler:

This special report is being submitted in accordance with Technical Specifications 3.7.7 Action a and 6.6.6.c and the C. W. Schroeder to J. G. Keppler letter dated December 22, 1983, regarding LaSalle Unit 1 Drywell temperature.

The above letter established individual temperature limits for several of the key pieces of equipment in the Unit 1 drywell. It was determined on August 20, 1985, that the 173°F temperature limit for the SRV solenoids was misinterpreted as an ambient air temperature when it in fact was intended as the metal housing temperature.

The 173°F metal housing temperature corresponds to a 150°F ambient air temperature based on actual operating data. A review of all available temperature data determined that the ambient air temperature in the vicinity of the SRV solenoids exceeded the 150°F temperature limit on several occasions during 1984. Existing data indicates temperatures above 150°F may have existed during periods of operation from January 12, 1984 to May 14, 1984; May 22, 1984 to July 11, 1984; July 17, 1984 to July 23, 1984; and July 25, 1984 to August 30, 1984. In addition, temperatures in excess of 150°F have existed since August 8, 1985. Since no data on the temporary monitoring system is available for the period from December 27, 1984 to August 8, 1985, it is not known how long the current high temperatures have existed.

A conservative analysis of all available temperature data indicated that the SRV solenoids have a NUREG 0588 Category II remaining life of about 14 years assuming that the current high temperature conditions continue to exist.

During the upcoming Unit 1 refueling outage, attempts will be made to return the SRV solenoid temperatures to within established limits.

C E Sargent
for G. J. Diederich
Station Manager
LaSalle County Station

GJD/KCW/DRR/kg

Enclosure

xc: NRC Resident Inspector
INPO - Records Center
US NRC Document Control Desk

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