



Commonwealth Edison  
1400 Opus Place  
Downers Grove, Illinois 60515

April 30, 1992

U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

Subject: LaSalle County Nuclear Station Units 1 and 2  
Supplemental Response to Unresolved Item  
373/91019-06 and 374/91019-06  
NRC Docket Nos. 50-373 and 50-374

References: (a) Brent Clayton letter to Cordell Reid dated  
December 13, 1991 transmitting NRC Inspection Report  
50-373/91019;50-374/91019

(b) T.J. Kovach letter to USNRC dated January 16, 1992,  
Response to Electrical Distribution System Functional  
Inspection (EDSFI) Report

During the EDSFI Inspection, LaSalle County Station stated in  
response to the subject Unresolved Item, that the schedule for completion of  
the revision of the preliminary degraded voltage calculations was April 30,  
1992. The Attachment provides a status on those calculations.

If there are any questions regarding this matter, please contact  
JoAnn Shields, Nuclear Licensing Administrator, at (708) 515-7282.

Sincerely

*P. L. Barnes for*

T.J. Kovach  
Nuclear Licensing Manager

Attachment

c: A. Bert Davis, NRC Regional Administrator-RIII  
B. Siegel, Project Manager-NRR  
D. Hills, Senior Resident Inspector-LSCS  
Z. Falevits-RIII

9205040225 920430  
PDR ADDCK 05000373  
Q PDR

ZNLD/1774/1

*TEDI 1/1*

## ATTACHMENT A

Supplemental Response To  
Inspection Report  
50-373/91019; 50-374/91019  
Unresolved Item 373/91019-06; 374/91019-06

During the Electrical Distribution System Functional Inspection (EDSFI) at LaSalle County Station, an unresolved item was cited. The EDSFI Team identified that the current setpoint for degraded voltage (3914 +/- 76 volts) may be non-conservative in that at least 4040 volts is required to start selected emergency loads, and that greater than 4040 volts is required for specific ESF busses to ensure that all motor control circuits will have adequate voltage.

Commonwealth Edison responded that the schedule for completion of the revision of the preliminary degraded voltage calculations was April 10, 1992. However, due to the magnitude of the evaluations required, and the engineering activities necessary to resolve similar issues at the other Commonwealth Edison facilities, the LaSalle calculations are not yet complete. The current status of the calculations for setpoints, motors, and contactors is as follows:

### Setpoint Calculations

Setpoint calculations are in progress to determine a new permanent degraded voltage trip setpoint. Calculations which do not require field data will be completed by June 30, 1992. Field data will be obtained during L2R05 as necessary to support the remaining calculations. Should plant changes become necessary, the safety significance of the changes will be evaluated and used to determine the implementation schedule.

### Motor Calculations

Motor calculations are complete for Unit 1. With the present setpoint of 3885 volts, 11 motors have less than the conservative minimum requirement of 85% rated voltage for starting. In all cases, the Unit 1 motors have at least 80% of rated voltage available for starting.

Calculations have not been completed for Unit 2, but it is believed that the 11 equivalent motors on Unit 2 will need to be further evaluated. Calculations are currently in progress for Unit 2 to identify the available starting voltage for all safety related motors. The calculations are expected to be completed by June 30, 1992. The compensatory measures implemented in October 1991 provide sufficient degraded voltage protection pending completion of motor evaluation or modification.

### Contactor Calculations

Calculations for Unit 1 identified 9 contactors which will require modification to remove the compensatory measures. Calculations for Unit 2 are not complete, but it is expected that the 9 equivalent contactors on Unit 2 will need further evaluation. The Unit 2 calculations are expected to be complete by June 30, 1992. Compensatory measures will be maintained pending completion of the contactor modifications.

ZNLD/1774/2