



Commonwealth Edison
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September 11, 1989

Dr. T. E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Dresden Station Units 2 and 3
Quad Cities Station Units 1 and 2
Zion Station Units 1 and 2
LaSalle County Station Units 1 and 2
Byron Station Units 1 and 2
Braidwood Station Units 1 and 2
Supplemental Response to
Generic Letter 89-06
NRC Docket Nos. 50-237/249, 50-254/265,
50-295/304, 50-373/374, 50-454/455,
and 50-456/457

- References: (a) Generic Letter 89-06, Task Action
Plan Item I.D.2 - Safety Parameter
Display System, dated April 12, 1989.
- (b) M. Richter (CECo) letter Dr. T. Murley (NRC),
dated July 11, 1989.

Dear Dr. Murley:

Reference (a) requested that Commonwealth Edison Company (Edison) certify that the Safety Parameter Display System (SPDS) presently satisfies, or will be modified to satisfy, the requirements of NUREG-0737 (Supplement 1), taking into account the information provided in NUREG-1342, for Dresden, Quad Cities, Zion, LaSalle County, Byron, and Braidwood Stations.

Reference (b), which provided Edison's initial response to Reference (a), indicated that the Safety Parameter Display Systems at LaSalle County, Quad Cities, and Zion Stations had outstanding items which would have to be addressed to meet the requirements of NUREG-0737 (Supplement 1). Reference (b) also indicated that Edison would submit a schedule for addressing the outstanding items. This letter provides that schedule.

The outstanding items identified for LaSalle County Station were the re-evaluation of the SPDS display readability, and the acceptability of the SPDS isolators (Validyne CM-249 isolators).

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Regarding SPDS display readability, the present SPDS display provides ready pattern recognition, however, the characters and digital values are not easily readable from the principal user's location. To address this condition, two (2) additional SPDS monitors, one for each unit, will be installed in the LaSalle County Station control room. It is expected that installation, including validation and verification with a human factors review, will be completed by the conclusion of the fourth refueling outage for each unit (Unit 1 - presently scheduled during the second quarter of 1991, Unit 2 - presently scheduled during the first quarter of 1992).

Regarding the SPDS isolators at LaSalle County Station, Edison is presently concluding an evaluation on the adequacy of the isolators. The results from this evaluation will be submitted for NRC review by the end of October, 1989.

The outstanding item identified for Quad Cities Station was the need to strengthen the SPDS operator training program. A lesson plan has recently been developed for SPDS. The lesson plan will be incorporated into the "Initial License Training Program" by the end of December, 1989, and will be presented to all licensed personnel in the license retraining session conducted during the first quarter of 1990. Beginning with the 1990 retraining session, the lesson plan on SPDS will become a permanent part of the "Licensed Operator Retraining Program" which will ensure that the training material will be presented to all licensees every two (2) years. Upon conclusion of this 1990 retraining session, Edison believes the requirements of NUREG-0737 (Supplement 1) will be met.

The outstanding items identified for Zion Station were the incorporation of the Reactor Vessel Level Indication System (RVLIS) into the SPDS, and the strengthening of the SPDS operator training program.

Regarding RVLIS, actions have been initiated to incorporate RVLIS on the SPDS display for each unit at Zion Station. Actions to be taken will include validation and verification with a human factors review. It is expected that this activity will be completed by the end of March, 1990.

To strengthen the SPDS operator training at Zion Station, actions are being taken for the "Initial License Training Program" and the "Licensed Operator Retraining Program." The use of SPDS during simulator training has recently been incorporated into the initial training program to complement the existing classroom training. With regard to the retraining program, classroom instruction on SPDS will be incorporated into the program by the end of March, 1990, and use of SPDS during simulator retraining will be incorporated by the beginning of April, 1990. All licensed personnel will have received this enhanced SPDS instruction through the retraining program by the conclusion of June, 1990. At that time, Edison believes the requirements of NUREG-0737 (Supplement 1) will be met. It should be noted that the incorporation of this SPDS training into the retraining program will ensure instruction to licensed personnel on a continuing basis.

Edison believes that when these outstanding items are addressed, as outlined in this letter, that LaSalle County, Quad Cities, and Zion Stations will fully meet the requirements of NUREG-0737 (Supplement 1). As indicated in Reference (b), Edison believes that Dresden, Byron, and Braidwood Stations presently meet the requirements of NUREG-0737 (Supplement 1).

Reference (b) indicated that during Edison's review of NUREG-1342, potential enhancements were identified. At this time, Edison continues to evaluate these enhancements for future implementation. Any documentation associated with the evaluation of these enhancements will be maintained with the SPDS documentation for each applicable station.

Edison believes this letter, coupled with Reference (b), completes the response for Reference (a). However, Edison will notify the NRC if the schedule presented in this letter for any outstanding item cannot be met. As indicated in Reference (b), the completed SPDS checklist, along with the supporting documentation and photographs of the SPDS, for each station will be maintained by Edison.

Please direct any questions that you may have on this response to this office.

Respectfully,

Milton H. Richter

M.H. Richter
Generic Issues Administrator

cc: A.B. Davis
Resident Inspectors - D/QC/Z/LSC/BY/BW

Subscribed and Sworn to
before me this 11th day
of September, 1989

Lelia F. Mayo
Notary Public

