

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-254/80-09; 50-265/80-12

Docket No. 50-254; 50-265

License No. DPR-29; DPR-30

Licensee: Commonwealth Edison Company
P.O. Box 767
Chicago, IL 60690

Facility Name: Quad-Cities Nuclear Power Station, Units 1 and 2

Inspection At: Quad-Cities Nuclear Power Station, Cordova, Illinois

Inspection Conducted: April 1-2, 1980

Inspector: *E. R. Swanson*
E. R. Swanson

4-29-80

Approved By: *I. N. Jackiw*
I. N. Jackiw, Acting Chief
Nuclear Support Section 2

4-29-80

Inspection Summary

Inspection on April 1 and 2, 1980 (Report No. 50-254/80-09; 50-265/80-12)

Areas Inspected: Routine unannounced inspection of initial training and retraining of licensed and non-licensed personnel, and licensed operator requalification training. The inspection involved 13 inspector hours onsite by one NRC inspector.

Results: Of the areas inspected, no items of noncompliance were identified.

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DETAILS

1. Persons Contacted

- *N. S. Kalivianakis, Station Superintendent
- *P. A. Lau, Production Training (General Office)
- *F. G. Geiger, Training Supervisor
- *D. M. O'Connor, Personnel Administrator
- *K. L. Graesser, Assistant Station Superintendent
- *J. B. Heilman, Quality Assurance, Operation
- T. Tamlyn, Assistant Superintendent Operations
- P. Kripner, Instructor

The inspector also interviewed several licensed operators and non-licensed personnel.

2. Training

The inspector verified that training is administered to new employees and that annual retraining is conducted for all categories of personnel.

The current revision of the licensee's procedure QAP 700-1 Revision 5, "Station Training Program" and the Quad-Cities "General Employee Training manual were reviewed for changes since the last inspection of this area and compared with regulations, commitments and current industry standards. The inspector determined that the programs established to train new employees and temporary or service personnel, retrain employees and provide on-the-job training for craftsmen and technicians apparently meets the requirements and commitments pertaining to the license. The inspector verified this by selective review of training records for the various groups of personnel mentioned above, and by interviews with personnel mentioned above, and by interviews with personnel that the training described in the "Station Training Program" was being conducted.

No items of noncompliance or deviations were identified.

3. Licensed Operator Requalification Training

The requalification program was reviewed to ascertain it's conformance with Commonwealth Edison's Requalification Program dated July 8, 1977, and regulatory requirements. The inspector verified that the established program includes the scheduled use of prepared lesson plans. It was noted that the

licensee routinely revises the lesson plans to take into account identified plant specific problem areas. On-the-job training requirements have been specified to include control manipulations, discussion/review of changes in facility design, procedures, and license. Training records of licensed individuals are maintained to include completed course and yearly examinations, documentation of manipulations, documentation of required simulations of emergency and abnormal conditions, results of supervisory evaluations and observations of manipulations and simulations identified above, and documentation of accelerated requalification training.

The inspector reviewed the records of licensed senior reactor operators and licensed reactor operators to verify that the licensee's approved requalification training program was being properly implemented. Operators were interviewed to ascertain whether the training documented had been received.

No items of noncompliance or deviations were identified.

4. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) and the Senior Resident and resident NRC inspectors at the conclusion of the inspection on April 2, 1980. The inspector summarized the scope and findings of the inspection. Topics discussed included differences between existing commitments in the training area and current standards being developed by subcommittee ANS-3, Reactor Operations, of the American Nuclear Society Standards Committee. The licensee stated that a lesson plan is being finalized to include additional training in the principles of heat transfer and fluid flow as a step in further upgrading the program. Also discussed were the differences in emergency systems between the station and the simulator utilized for control manipulations, and it was noted that there is a different emphasis being placed on simulator training than existed when the licensee's program was approved.

Subsequent to the exit the inspector expressed concern (by telephone on April 10 and 11, 1980 with the Station Superintendent and the Personnel Administrator) that though all operators passed the recent annual requalification examination, more operators missed questions in the section "Standard and Emergency Operating Procedures" than any other section. The licensee stated that this had previously been noted by review of exam results and was attributed to an upgrading of the exam questions and overly conservative grading. The licensee also intends to review the applicable lesson plan to upgrade training in this area.