

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

Region I

Report No. 50-334/79-23

Docket No. 50-334

License No. DPR-66 Priority -- Category C

Licensee: Duquesne Light Company

435 Sixth Avenue

Pittsburgh, Pennsylvania 15219

Facility Name: Beaver Valley Power Station, Unit 1

Inspection at: Shippingport, Pennsylvania 15077

Inspection conducted: October 16-19, 1979

Inspectors: *C. J. Cowgill III*  
C. J. Cowgill III, Reactor Inspector

*November 27, 1979*  
date signed

\_\_\_\_\_  
date signed

\_\_\_\_\_  
date signed

Approved by: *D. L. Capton*  
D. L. Capton, Chief, Nuclear Support  
Section No. 1, RO&NS Branch

*12/11/79*  
date signed

Inspection Summary:

Areas Inspected: Routine, unannounced inspection of general training, requalification training, and craft personnel training. The inspection involved 31 on site inspection hours by one Regional Based Inspector.

Results: Of the three areas inspected the inspector identified no items of noncompliance in two areas. One apparent item of noncompliance was identified in one area; requalification training, (deficiency, delinquent individual study).

## DETAILS

### 1. Persons Contacted

#### Principal Licensee Representatives

- \*R. Balcerek, Maintenance Supervisor
- \*T. Burns, Nuclear Operations and Maintenance Instructor
- \*J. Carey, Technical Assistant
- \*R. Conrad, Senior Engineer
- \*D. Crouch, Nuclear Shift Supervisor
- \*W. Glidden, Quality Assurance Engineer
- \*K. Grada, Nuclear Shift Supervisor
- \*E. Kurtz, Senior Quality Assurance Engineer
- \*F. Lipchick, Station Quality Assurance  
J. Wenkhous, Reactor Control Chemist
- \*J. Werling, Station Superintendent

The inspector also talked with and interviewed several other licensee employees during the course of the inspection.

\*Denotes those present at the exit interview. The NRC regional resident inspector was in attendance at the exit interview.

### 2. General Training

Reference: Training Manual, Section 1.2, STATION ORIENTATION TRAINING

#### a. Program Definition

The inspector reviewed the referenced manual with respect to the program definition requirements of: 10 CFR 50, Appendix B, Criterion II; 10 CFR 19.12; 10 CFR 73.50; and ANSI N18.1. The referenced Section set forth training programs for: new employees; temporary maintenance or service personnel; operations personnel; technicians; and, craft personnel. These programs establish training which covers: administrative controls and procedures; radiological health and safety; controlled access and security; industrial safety; emergency plans and procedures; fire training; and, quality assurance indoctrination. Formal training is also provided for female employees on the contents of Appendix A to Regulatory Guide 8.13.

The inspector identified no items of noncompliance.

b. Program Participation

The inspector reviewed the licensee's records to assure that the required training had been given. In addition, the inspector conducted interviews with those individuals whose records were reviewed. The interviews were to verify that: the scope of the training was similar to that contained in the licensee's records; the training as conducted was meaningful to those attending; and, that the areas presented were covered accurately and sufficiently from the participant's point of view. Records were reviewed for and interviews were conducted with those personnel listed below:

- one employee with less than one year in the current position;
- two employees with more than one year of service;
- one temporary employee; and,
- two female employees.

The inspector identified no items of noncompliance.

3. Craft Personnel Training

References: Training Manual, Section 3.0, CHEMISTRY TRAINING  
 Training Manual, Section 6.7, MECHANIC'S TRAINING  
 Training Manual, Section 6.8, ELECTRICIAN'S TRAINING  
 Training Manual, Section 6.9, METER AND CONTROL REPAIR-  
 MEN TRAINING

a. Program Definition

The inspector reviewed the referenced procedures with respect to the program definition requirements of: 10 CFR 50, Appendix B, Criterion II; ANSI N18.1; ANSI N45.2.6; and, the Beaver Valley Quality Assurance Program. The referenced procedures set forth formal training programs for maintenance personnel and technicians. These programs establish training which covers: training requirements for on-the-job training; formal technical training commensurate with the job classifications; and, certification procedures to meet ANSI N45.2.6.

The inspector identified no items of noncompliance.

b. Program Participation

The inspector reviewed the licensee's records for and conducted interviews with the individuals listed below. The interviews were conducted to ascertain that the documented training had been given and was not directed at determining that the individuals were qualified to perform their assigned tasks. The following personnel were interviewed:

- one mechanic;
- one electrician;
- one chemist;
- one chemistry analyst; and,
- one meter and control repairman.

The inspector identified no items of noncompliance.

4. Requalification Training

Reference: Training Manual, Section 2.2, OPERATIONS REQUALIFICATION TRAINING

a. Program Items

The inspector verified that, as currently established, the operator requalification program includes the following items:

- an established, planned, continuing lecture schedule;
- documentation of personnel attendance;
- required reactivity control manipulations;
- discussions/reviews of changes in facility design, procedures and facility license; and,
- review of abnormal/emergency procedures.

No items of noncompliance were identified.

b. Record Review

The inspector selected and reviewed the records of fourteen licensed operators to verify that each contained the following documentation:

- completed course and yearly examinations with answers;
- manipulation of controls for reactivity changes required by the program;
- simulation or discussion of emergency/abnormal procedures and responses; and,
- results of supervisory evaluations.

c. Findings

- (1) The referenced procedure calls for periodic individual study assignments to be made for licensed operators and senior operators. When assignments are made, the assignment sheet specifies the time limit for completion and return to the training department. The time frame normally allowed to complete one assignment is one month. The referenced program also calls for periodic quizzes to be administered which determine licensed operators or senior operators' knowledge of subjects covered in formal lectures. If a licensed operator or senior operator fails to score eighty percent on any of these quizzes remedial training is required.

When this remedial training is assigned a date by which the training is to be completed is included on the assignment sheet.

During the review of licensed operator and senior operator records the inspector noted that six individuals were delinquent in returning one or more individual study sheets.

The results of this review are listed below:

- one record missing, the July 1979 and August 1979 individual study sheets;
- one record missing, the August 1979 and April 1979 individual study sheets and two remedial training assignments due in March 1979;

- one record missing, the August 1979, June 1979 and October 1978 individual study sheets;
- one record missing, the August 1979 and April 1979 individual study sheets;
- one record missing, the August 1979, July 1979, and June 1978 individual study sheets; and,
- one record missing, the November 1978 individual study sheets.

The failure to have the above listed completed individual study sheets constitutes an apparent deficiency level item of noncompliance. (334/79-23-01)

- (2) The inspector noted that one individual had failed three parts of the 1979 requalification examination but he had received an overall passing mark. Additionally the subject individual had failed to turn in two required remedial training assignments which were due at the end of March 1979.

The licensee representative agreed in a phone conversation with the inspector on October 22, 1979 to have the remedial training completed for the subject individual by October 31, 1979. The licensee representative further stated that he would administer additional training in the subject individual's weak areas by November 15, 1979. This item is unresolved pending completion of the above listed training and reinspection by an NRC:RI inspector. (334/79-23-02)

d. Personal Interviews

The inspector selected and interviewed three licensed personnel who participated in the requalification program. The interviews were directed at obtaining subjective appraisal of the content and effectiveness of the requalification training as presented.

The inspector identified no discrepancies nor inconsistencies between the interview results and the licensee's records.

e. Accelerated Training

Two individuals failed the 1979 annual requalification examination. The subject individuals were both removed from watchstanding duties and placed in an accelerated training program. At the completion of the required training both individuals were reexamined in the areas in which they failed. Both individuals scored greater than 75 percent on the reexamination and were subsequently returned to watchstanding duties.

The inspector identified no items of noncompliance.

5. Unresolved Items

Unresolved items are items about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviation. Detail 4.b.2 of this report discusses an unresolved item.

6. Exit Interview

The inspector met with the licensee representatives listed in Detail 1 at the conclusion of this inspection on October 19, 1979. The inspector summarized the purpose, scope, and findings of the inspection.