

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-333/89-05

Docket No. 50-333

License No. DPR-59

Category C

Licensee: New York State Power Authority
P. O. Box 41
Lycoming, New York 13093

Facility Name: James A. FitzPatrick

Inspection At: Scriba, New York

Inspection Conducted: March 20-23, 1989

Inspectors:

W. V. Thomas
W. V. Thomas, Radiation Specialist

4/13/89
date

Approved by:

M. Shanbaky
M. Shanbaky, Chief, Facilities Radiation
Protection Section

4/13/89
date

Inspection Summary: Inspection Report No. 50-333/88-22

Areas Inspected: Routine, unannounced, review of the radiological controls staff training and qualification program. Specific areas inspected included the training and qualifications of new personnel and the ALARA program.

Results: Within the scope of this inspection, no violations were identified. The radiological controls staff training and qualification program is well implemented (Details, Section 4.0).

DETAILS

1.0 Persons Contacted

1.1 Licensee Personnel

During the course of this inspection the following personnel were contacted or interviewed:

- *W. Fernandez, Resident Manager
- R. Graben, RES, Radiation Protection Supervisor
- *R. Locy, Assistant Operations Superintendent
- *J. McCarty, RES, Radiation Protection Supervisor
- *E. Mulcahey, RES, Superintendent
- *R. Patch, QA/QC, Superintendent
- P. Policastro, RES, Health Physics Supervisor
- D. Rebarchik, RES, Health Physics Technician
- *J. Solini, RES, Health Physics, General Supervisor
- *G. Vargo, RES, Radiological Engineering, General Supervisor
- K. Szeluga, RES, Radiation Protection Supervisor

1.2 NRC Personnel

- *W. Schmidt, Sr. Resident Inspector
- *W. Thomas, Radiation Specialist, Region I

*Denotes attendance at the exit meeting held on March 23, 1989.

2.0 Purpose

The purpose of this inspection was to review the implementation of the radiological controls staff training and qualification program. Specific areas inspected included the training and qualifications of new personnel and the ALARA program.

3.0 Status of Previously Identified Items

3.1 (Closed) Inspector Followup Item (88-06-01)

A program weakness was observed in that temporary and contractor technicians are used to perform routine duties due to inadequate permanent staff. Station management has been aware of this staffing weakness and has taken positive steps to improve this situation. The station has received budgetary approval to hire additional permanent staff during the "89" budget year and has added seven additional health physics technicians and one health physics supervisor.

3.2 (Closed) Inspector Followup Item (88-22-01)

Licensee to install a lockable gate at the entrance to the spent resin storage tank room. During this inspection the inspector toured the 252 foot elevation of the reactor building. The entrance to the spent resin tank storage room is secured by a locked gate. The inspector verified that the gate was locked and equipped with appropriate High Radiation Area warning signs.

3.3 (Open) Unresolved Item (88-22-02)

Licensee to review accountability controls over respiratory protective equipment. The licensee has initiated a computer based program, which will allow the exercise of control over respiratory protective equipment. The program when fully implemented will also allow accountability and control over Health Physics (HP) instrumentation and HP instrument calibration. The program also will allow for the tracking of repair, maintenance, and inspection of respirators. This will assure full compliance with Part 12.6 of the licensee's Radiation Protection Manual. The licensee has indicated that the control program will be fully implemented by June 15, 1989. This item remains open and will be reviewed during a future inspection.

4.0 Training and Qualification of New Personnel

The licensee's program for training and qualifications of new personnel was reviewed against the following criteria:

- 10 CFR 19.12, Instructions to workers
- Regulatory Guide 1.8, Qualification and Training of Personnel For Nuclear Power Plants
- Regulatory Guide 8.27, Radiation Protection Training For Personnel At Light-Water Cooled Nuclear Power Plants.

The evaluation of the licensee's performance in this area was also based upon the following:

- Discussions and reviews with supervisory and technician level licensee staff,
- observations by the inspector of ongoing work activities during tours of the facilities,
- Review of training lesson plans,
- Review of supervisor and technician qualification oral board reports and examinations.

The training and qualification program is well organized and represents a licensee strength. The licensee's program is also assisted by the fact that a large number of workers who return for outages or contractor work are experienced radiation workers, who have worked at Fitzpatrick in the past. This fact assists the training program in that less time is needed for plant layout, and more time is available for concentration on procedure changes, new instrumentation, and new or different equipment.

The inspector determined from the above review that the licensee is meeting the requirements of 10 CFR 19.12 and ANSI-18.1 to assure that radiation worker training provides sufficient information needed to enable each worker to comply with NRC regulations and license conditions.

5.0 ALARA

The licensee continues his efforts to reduce personnel radiation exposure. Although the collective personnel dose goal for 1989, a non-outage year, remains as high as 300 man-rem, it constitutes a substantial reduction compared to previous non-outage years exposure. Plant management has committed all departments to meet this goal. To assist in this effort the Radiation Management Program reports daily exposure summaries by Department, highlighting the top 20% of the exposures. Quarterly Reports to all departments, after adjustment of the Direct Reading Dosimeter readings, are also issued, and are used as a planning tool to schedule various work evolutions and to set work priorities.

6.0 Exit Meeting

The inspector met with licensee management representatives (denoted in Section 1) at the conclusion of the inspection on March 23, 1989. The inspector summarized the purpose, scope, and findings of this inspection.