

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

Region I

Report No. 50-213, 78-25

Docket No. 50-213

License No. DPR-61 Priority \_\_\_\_\_ Category C

Licensee: Connecticut Yankee Atomic Power Company

P. O. Box 270

Hartford, Connecticut 06101

Facility Name: Haddam Neck Plant

Inspection at: Haddam, Connecticut

Inspection conducted: September 11-13, 1978

Inspectors: Robert J. Bores  
R. J. Bores, Radiation Specialist

10-3-78  
date signed

W. J. Lazarus  
W. J. Lazarus, Reactor Inspector (September 12)

10/3/78  
date signed

J. P. Stohr  
J. P. Stohr, Chief, Environmental &  
Special Projects Section, FF&MS Branch

10/3/78  
date signed

Approved by: J. P. Stohr  
J. P. Stohr, Chief, Environmental &  
Special Projects Section, FF&MS Branch

10/3/78  
date signed

Inspection Summary:

Inspection on September 11-13, 1978 (Report No. 50-213/78-25)

Areas Inspected: Routine, unannounced inspection limited to the observation of a licensee conducted emergency drill and to the followup of licensee actions for resolution of previously identified items in the emergency planning and environmental monitoring areas. The inspection involved 35 onsite inspector-hours by three regionally based NRC inspectors.

Results: No items of noncompliance were identified.

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## DETAILS

### 1. Individuals Contacted

#### Connecticut Yankee Atomic Power Company

- \*R. P. Traggio, Assistant Station Superintendent
- \*H. Wong, Engineer
- \*H. F. Clow, Health Physics Supervisor
- S. T. Fleming, Training Supervisor
- V. G. Fleming, Office Supervisor

\* denotes those present at the exit interview.

#### Middlesex Memorial Hospital

R. Hale, Radiology Administrator

The inspector also interviewed several other licensee employees during the course of the inspection, including health physics and operations personnel.

### 2. Licensee Action on Previous Inspection Findings

(Closed) Unresolved item (77-06-03): Scope and content of Emergency Plan training program. The inspector determined through discussions with licensee personnel and review of the training program, procedures and outlines, that the training program now included each of the specific categories of Emergency Plan training. The scope and content of the training outlines provide assurance that the responsibilities and functions of individual team members are addressed. The inspector had no further questions in this area.

(Closed) Unresolved item (77-06-04): Followup on drill identified items. The inspector determined through discussions with the licensee and review of previously identified drill items that each item needing correction or resolution had been corrected/resolved. The licensee stated that the followup of future drill identified items will be addressed in administrative procedures to assure completion. The inspector had no further questions in this area at this time.

(Closed) Deficiency (78-03-02): Failure to maintain procedures - emergency: The inspector determined through a review of revisions to procedure EPL 1.5-13 and Station Policy CYSP-17 and by examination of selected emergency kits, that the licensee's corrective action was in accord with the stated response in the licensee's letter of May 29, 1978, to the NRC. The inspector had no further questions in this area.

(Closed) Infraction (78-03-03): Failure to establish procedures - inventory. The inspector determined through the review of the revised inventory procedure, EPL 1.5-13, that provision had been made for including all emergency related equipment on the routine inventory checks. The inspector had no further questions in this area.

(Closed) Unresolved item (78-03-04): Adequacy of offsite air monitoring for emergencies. The inspector determined through reviews of modifications made to the sampling equipment, sampling media, analytical instrumentation and procedures; through review of the calibration data; and discussions with the licensee, that the emergency air sampling/monitoring instrumentation and procedures provide sufficient capability to effectively implement that portion of the Emergency Plan. The inspector had no further questions regarding this item.

(Closed) Infraction (78-03-05): Failure to provide emergency plan training to all individuals assigned emergency duties. The inspector reviewed training records, held discussions with licensee personnel and verified that individuals assigned emergency duties by the Emergency Plan and Implementing Procedures had been trained/retrained in the assigned duties. Training records reviewed included those of Supervising Control Operators, Control Operators and Auxiliary Operators for such actions as search and rescue, recovery/reentry, first-aid, firefighting and respiratory protection. The inspector stated that he had no further questions in this area.

(Closed) Unresolved item (78-03-06): Adequacy of fire fighting training. The inspector determined through the review of training records and discussions with the licensee that additional fire fighting training, including specialized training by a recognized fire training school, had been provided to members of the operations staff and fire team members. The inspector had no further questions in this area.

(Closed) Unresolved item (78-03-07): Adequacy of respiratory protection training for emergencies. The inspector determined through discussions with the licensee and review of the training records that individuals requiring respiratory protection devices for use in emergencies had received the necessary training for their use. The inspector had no further questions in this area at this time.

(Closed) Unresolved item (78-03-08): Revision and implementation of emergency plan and procedures. The inspector reviewed the updated Emergency Plan and Implementing Procedures. He noted that the revisions had received appropriate licensee review and distribution, and were implemented. The inspector further noted that employee/emergency team training had been conducted relative to these revisions. The inspector had no further questions in this area at this time.

(Closed) Deficiency (78-03-12): Failure to report exceeding a Limiting Condition of Operation. The inspector determined through discussions with licensee personnel that corrective actions as described in the licensee's letter of May 29, 1978 to NRC:I were taken. The inspector had no further questions in this area.

### 3. Emergency Drill

#### a. Pre-drill Activities

Prior to the initiation of the drill, the inspector discussed the nature and scope of the drill scenario to verify adequacy. The scenario involved a fuel handling accident in which offsite dose consequences were simulated as a result of procedural violations. The inspector determined, through discussions with licensee employees, that the drill was unannounced to the extent that the time and drill scenario were known only to the drill auditors, inspectors and limited number of licensee higher management personnel.

#### b. Drill Observation

During the drill, three NRC inspectors made detailed observations of the following activities:

- (1) Control room actions concerning detection and response to the simulated emergency conditions;

- (2) Notification of plant personnel and offsite agencies;
- (3) Plant evacuation;
- (4) Assessment actions;
- (5) Communications;
- (6) Coordination and control of response actions;
- (7) Offsite monitoring; and
- (8) Reentry activities.

c. Drill Results

The inspectors attended a post-drill critique, during which drill participants, observers and the inspectors discussed the drill results and highlighted areas needing improvements. The inspector noted that:

- (1) The licensee's response was generally in accord with approved procedures;
- (2) The response was evaluated by qualified licensee personnel; and
- (3) The drill results and observer comments, including those of the inspectors, were documented for further evaluation and resolution, as appropriate.

Based on the licensee's demonstrated performance and on the implementation of the corrective actions discussed in Detail 2, the inspectors determined that the response objectives of the licensee's Emergency Plan could be effectively met. The inspector had no further questions in this area at this time.

4. Exit Interview

The inspector met with the licensee representatives denoted in Detail 1 at the conclusion of the inspection on September 13, 1978. The inspector summarized the purpose, scope and findings of this inspection.