

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

IE Inspection Report No: 50-320/77-07 Docket No: 50-320  
Licensee: Metropolitan Edison Company License No: CPPR-66  
P. O. Box 542 Priority: B-1  
Reading, Pa. 19603 Category: --  
Safeguards Group: --  
Location: Middletown, Pa.  
Type of Licensee: PWR 2752 MW(th) (B&W)  
Type of Inspection: Routine, Unannounced  
Dates of Inspection: February 8-10, 1977  
Dates of Previous Inspection: February 7-10, 1977  
Reporting Inspector: R. L. Swetnam, Radiation Specialist 3/1/77  
DATE  
Accompanying Inspectors: R. E. Plumlee, Radiation Specialist 3/1/77  
DATE  
DATE  
DATE  
Other Accompanying Personnel: DATE  
Reviewed By: P. J. Knapp, Chief, Radiation Support Section 3/1/77  
Fuel Facility and Materials Safety Branch DATE

72-142

7904250132

## SUMMARY OF FINDINGS

### Enforcement Action

#### Items of Noncompliance

##### A. Violations

None.

##### B. Infractions

None.

##### C. Deficiencies

None.

### Licensee Action on Previously Identified Enforcement Action

Not applicable.

#### Design Changes

None.

#### Licensee Events

None.

### Other Significant Findings

#### A. Current Findings

##### 1. Unresolved Items

None.

##### 2. Items Requiring Further Review

- a. 76-13-02 - Health Physics and Chemistry Staffing for Unit 2. (Details, 3)

- b. 76-13-01 - Completion of operating procedures for the following areas:
  - (1) Health Physics Procedures for Unit 2. (Details, 4)
  - (2) Rad Waste Operating and Discharge Procedures for Unit 2. (Details, 5)
- c. 76-13-02 - Installation and Calibration of Rad Waste and H.P. Instrumentation. (Details, 5)
- d. 77-07-01 - Rad Waste System Preoperational testing. (Details, 6)

3. Deviations

None.

B. Status of Previously Identified Unresolved Items

Not applicable.

Management Interview

A management interview was conducted at the site on February 10, 1977.

Persons Present

G. Miller, Unit 2 Superintendent  
T. Mulleavy, Unit 2 HP Foreman  
D. Dubiel, Acting HP and Chemistry Supervisor

Items Discussed

Purpose of the Inspection

The purpose of the inspection was to determine if the applicant has completed all the commitments and to resolve all outstanding items related to the health physics organization, facilities, instruments, and procedures in order to make a recommendation regarding issuance of the operating license.

## DETAILS

### 1. Persons Contacted

T. Mulleavy, Unit 2 HP Foreman  
D. Dubiel, Acting HP and Chemistry Supervisor

### 2. Scope of the Inspection

The scope of this inspection consisted of a review of the Radiation Protection Manual and Health Physics Procedures for Unit 1 and plans being formulated to modify them for Unit 2. A review of the facility and proposed equipment and HP staffing of Unit 2 was also discussed. The inspector and licensee representatives reviewed procedural and policy weaknesses observed in Unit 1 procedures and discussed how these areas have been handled elsewhere at other facilities.

### 3. Health Physics and Chemistry Staffing for Unit 2

Staffing for the Health Physics and Chemistry requirements for Unit 2 remains incomplete. The current staffing level for both units consists of 25 technicians and supervisors. Section 9 of the Unit 2 FSAR states that 38 technicians and supervisors will be available for the combined operations of Units 1 and 2. The licensee is currently evaluating the additional manpower that will be required for Unit 2 and a licensee representative stated that a staff of 38 appears to be an overestimate and that the FSAR will be corrected to reflect the current evaluation. The licensee representative stated that additional personnel will be required and will be onsite and trained prior to receipt of an operating license for Unit 2.

Staff positions of Supervisor of Health Physics and Chemistry and Radiation Protection Supervisor (Unit 2) have not been filled by permanent personnel. The inspector stated that these positions must be filled prior to receipt of a Unit 2 operating license. Some staff member resumes set forth in the FSAR are incorrect because two staff members have terminated. Resumes of replacement personnel must be added to the FSAR.

The inspector stated that the above items must be resolved prior to operating license receipt (76-13-2).

4. Completion of Operating Procedures for Health Physics and Rad Waste

Work is continuing on development of operating procedures for Health Physics and Rad Waste. The licensee stated that 65% of the work has been completed and all procedures will be completed prior to licensing (76-13-01).

5. Installation and Calibration of Rad Waste and HP Instrumentation

According to a licensee representative, installation and calibration of Rad Waste and HP Instrumentation will be accomplished after all major plant construction is completed, and prior to receipt of the operating license for Unit 2. The inspector stated that this item is unresolved and must be completed prior to Unit 2 operating license receipt (76-13-02).

6. Rad Waste Systems Preoperational Testing

Preoperational test procedures have been written for all Rad Waste systems. All systems still require major work and have not been transferred to Unit 2 personnel for testing. The inspector stated that this item will remain incomplete until preoperational testing is completed (77-07-01).