

U. S. NUCLEAR REGULATORY COMMISSION  
REGION 1

Report No. 50-387/82-24

Docket No. 50-387

License No. CPPR-101 Priority -- Category B-1

Licensee: Pennsylvania Power and Light Company

2 North Ninth Street

Allentown, Pennsylvania 28202

Facility Name: Susquehanna Steam Electric Station

Inspection At: Berwick, Pennsylvania

Inspection Conducted: July 6-9, 1982

Inspectors: *[Signature]* 7/22/82  
C. Sakenas, Radiation Specialist date

*[Signature]* 7/22/82  
R. Smith, Radiation Specialist date

Approved by: *[Signature]* 7/22/82  
H. W. Crocker, Chief, Emergency Preparedness Section, DEPOS, RI date

Inspection Summary: Inspection on July 6-9, 1982 (Report No. 50-387/82-24)

Areas Inspected: Special announced inspection follow-up of significant findings from appraisal of the applicant's emergency preparedness program performed on April 12-22, 1982 and discussed in a confirmatory action letter dated May 24, 1982.

The inspection involved 74 inspection hours by two regionally based NRC inspectors.

Results: Of the items addressed in Appendix A to NRC Report Number 50-387/82-12, all but one were **closed out** at the time of the inspection, with the remaining item **closed out** by the NRC resident inspector.

## DETAILS

### 1. Persons Contacted

Butler, F.	I&C Supervisor
Cantone, S.	Manager, Nuclear Support
Doebler, R.	Chemistry Supervisor
Miller, D.	Radiological and Environmental Services Supervisor
Rosykowski, C.	Emergency Planning Supervisor
Thompson, D.	Assistant Superintendent
Wike, C.	Supervisor, Emergency Planning

### 2. General

During the period of April 12-22, 1982, the NRC conducted an appraisal of the state of emergency preparedness for the Susquehanna Steam Electric Station. As a result of this appraisal, the NRC identified nine items requiring resolution in order for the applicant to achieve an adequate state of emergency preparedness. These findings were documented in a letter to the applicant dated May 24, 1982. In a letter to the NRC dated June 14, 1982, the applicant committed to complete all nine items prior to fuel load. The purpose of this inspection was to review the status of the applicant's actions in relation to resolving these items prior to fuel load.

### 3. Applicant Action on Previous Inspection Findings (50-387/82-12)

#### a. (Closed) (Appendix A, Item 1)

Revise the list of alternate EOF Support Managers to include personnel at levels of management who can meet the EOF Recovery Manager Qualifications, and provide the required training to those individuals. (50-387/82-12-03)

The inspectors verified that the two individuals selected as alternate EOF Support Managers meet the criteria established in procedure ND1-QA-10.8.1 and received all training required of the EOF Support Manager.

This item is closed.

#### b. (Closed) (Appendix A, Item 7)

Complete all Emergency Preparedness Implementing Procedures, including management review and approval (50-387/82-12-29).

The inspectors verified that all Emergency Preparedness Implementing Procedures were reviewed by the PORC and issued.

This item is closed.

## c. (Closed) (Appendix A, Item 3)

Complete all required training for emergency response personnel in the applicable implementing procedures as listed in the training matrix. (50-387/82-12-06)

The inspectors verified that all training specified in the training matrix as required was completed for each functional area identified during the appraisal.

This item is closed.

## d. (Closed) (Appendix A, Item 2)

Demonstrate by unannounced drills that the additional specified persons in the proposed staffing plan can be onsite in about 30 or 60 minutes after initial notification. Records must be kept for these drills. (50-387/82-12-05)

The inspectors reviewed records notification of completed drills for TSC personnel. All personnel could respond within 30-60 minutes of notification.

This item is closed.

## e. (Closed) (Appendix A, Item 8a)

Revise the Implementing Instructions to clearly indicate to the Emergency Director his responsibility for making initial offsite protective action recommendations. (50-387/82-12-33)

The inspectors verified that procedure EP-IP-002 was revised include the Emergency Director's responsibility to make offsite protective action recommendations.

This item is closed.

## f. (Closed) (Appendix A, Item 8b)

Develop EALs corresponding to the PAGs cited in EP-IP-033 for use by the Emergency Director, incorporating the relationship between containment monitor readings and offsite projected dose rates. (50-387/82-12-34)

The inspectors verified that EALs were developed for the specific initiating conditions identified during the appraisal.

This item is closed.

## g. (Closed) (Appendix A, Item 9b)

Prepare initial offsite notification messages, to include protective action recommendations which are based on current and projected plant conditions (that is, core inventory, as well as radiological dose projections). (50-387/82-12-38)

The inspectors verified that procedures were provided for these actions.

This item is closed.

## h. (Closed) (Appendix A, Item 8c)

Provide for making protective action recommendations based on current and projected plant status as evidenced from control room instrumentation prior to an imminent release. (50-387/82-12-35)

The inspectors verified that procedures were provided for making the protective recommendations.

The item is closed.

## i. (Closed) (Appendix A, Item 5)

Complete the installation, testing, and calibration of the post-accident sampling system. (50-387/82-12-12)

The inspectors examined the installation of the post-accident sampling system (PASS) and noted that all components were installed. The inspectors reviewed records of calibration of the installed components and a functional test of the system and determined them to be adequate. The inspectors reviewed training records of chemistry personnel in procedures EPIP-043, 045, 046, 047 and verified that training was completed as required.

This item is closed.

## j. (Closed) (Appendix A, Item 4)

Ensure that all emergency equipment, supplies, kits, and facilities used by emergency response personnel and emergency response teams are completed, stocked, and available at the proper locations. (50-387/82-12-09, 19, 21, 22, 27)

The inspectors noted that all emergency equipment and supplies were available at the proper locations.

This item is closed.

## k. (Closed) (Appendix A, Item 6)

Complete the installation and testing of the public prompt notification system. The test shall be an integrated "operability" test of the installed systems and shall be activated from the location specified in the emergency procedures. The test is intended to confirm that the integrated system can operate properly upon activation. Results of the test shall be documented. (50-387/82-12-28)

The inspectors verified that installation and testing of the public prompt notification system was completed by the applicant through direct observation of about 15% of the installed sirens and operability test records.

The applicant stated that the system was designed to provide an alert tone to the population within a ten mile Emergency Planning zone, followed by an Emergency Broadcast System message activated by either Luzerne County Civil Defense or Columbia County Emergency Management Agency. The applicant stated that a booklet explaining the system and actions to be taken by residents would be distributed by PEMA before September, 1982.

The applicant determined through a phone verification survey, sampling residents within five miles of the site, and remote area observation by PP&L employees during the full scale test that the system coverage was 92% and that municipal plans included specific means to assure complete coverage. Schools, nursing homes, and hospitals would be notified at the alert stage and industries at the Site Emergency by phone from the county EOC.

The inspectors reviewed draft procedure 001-399, addressing testing and maintenance of sirens, and noted that a silent test would be conducted bi-weekly and a growl test would be performed quarterly.

Based on the above information this item is closed.

## l. (Closed) (Appendix A, Item 9a)

Complete the purchase, testing, and distribution of the pagers which will be used for staff augmentation. (50-387/82-12-37)

The inspectors verified that the pager system was in place and operable.

This item is closed.

## m. (Closed) (Appendix A, Item 8d)

Revise the Emergency Plan to reflect the revisions of EPIP-001. (50-387/82-12-36)

The inspectors verified that the revisions to EPIP-001 are being reflected in the current revision to the Emergency Plan (Revision 6) which is in preparation.

This item is closed.

4. Exit Interview

The inspectors met with the applicant representatives (denoted in Detail 1) at the conclusion of the inspection on July 9, 1982. The inspectors summarized the scope and findings of the inspection.