

6/28/83

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April 15, 1983

Docket Nos. 50-277  
50-278

Mr. James M. Allan, Acting Administrator  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Dear Mr. Allan:

We are submitting to you the exercise objectives for the Peach Bottom Atomic Power Station 1983 full scale emergency exercise (Attachment 1). These objectives do not include objectives specific to state and county exercise requirements, but are intended to satisfy the needs of states and counties.

The objectives have been submitted for review to Chester, Lancaster, York, Cecil and Harford Counties; Maryland Emergency Management and Civil Defense Agency; and Pennsylvania Emergency Management Agency.

By agreement with the counties and the state agencies, the exercise has been set for June 28, 1983.

Very truly yours,

*JW Gallagher*

Attachment

cc: R. A. Blough (w/attachment)

OBJECTIVES FOR THE 1983  
NRC/FEMA OBSERVED PRAPS EXERCISE

To demonstrate the radiological emergency preparedness of the Peach Bottom Atomic Power Station (PBAPS), the Philadelphia Electric Company (PECo.), the Pennsylvania and Maryland state agencies, and the county and local agencies, an integrated radiological emergency exercise will be conducted. The onsite objectives are as follows:

1. Emergency Detection

Demonstrate the ability of site personnel to recognize an emergency initiating event, properly characterize and classify the emergency according to the pre-established Emergency Action Levels (EAL).

2. Emergency Assessment

Demonstrate the ability of site personnel to observe pertinent instrumentation and to assess the nature, the severity, and the consequences of the emergency condition.

3. Emergency Classification

Demonstrate the ability of site personnel to properly characterize and classify the emergency according to the pre-established Emergency Action Levels. The demonstration shall include escalation and de-escalation of the emergency classification.

4. Emergency Notification and Communication

- a. Demonstrate that onsite and offsite notification of staff and officials, including emergency classification escalation and de-escalation, can be accomplished in a timely manner and that all notification is documented.
- b. Demonstrate the ability to communicate with monitoring teams, rescue parties, and other site personnel as needed.
- c. Demonstrate the ability to alert the public in an effective and timely manner.
- d. Demonstrate that communications among the utility, states, and federal agencies is operable and adequate.

- e. Demonstrate that messages are transmitted in an accurate and timely manner; that messages are documented; that status boards are accurately maintained and updated; that appropriate briefings are held and incoming personnel are briefed and updated.
- f. Demonstrate that public information is coordinated between site, State, County, and Federal officials; that there are accurate and timely press releases and briefings; that designated public information personnel are implementing their procedures.

5. Emergency Organization and Facility Activation

- a. Demonstrate the familiarity of site and corporate personnel with the emergency response organization and associated responsibilities and duties.
- b. Demonstrate the ability of the Initial Phase Emergency Organization to activate and man the emergency response facilities as appropriate for the existing emergency class and to transfer functional responsibilities to the appropriate emergency response facilities when escalating or de-escalating to a different emergency classification.
- c. Demonstrate the adequacy and effectiveness of emergency procedures, facilities, and equipment.
- d. Demonstrate that adequate security of facilities can be maintained.
- e. Demonstrate precise and clear transfer of responsibilities to the Recovery Phase Organization.

6. Radiological Assessment

- a. Demonstrate that personnel can perform radiological accident assessment and dose projections using plant monitor readings, field monitoring data, and meteorological parameters.
- b. Demonstrate that field monitoring teams can be dispatched and deployed in a timely fashion, that communications are adequate, that radiological monitoring equipment is functional, and that simulated data are accurately obtained and transmitted to appropriate emergency response facilities.

- c. Demonstrate the ability to perform post-accident sampling and analysis.

#### 7. Protective Actions

- a. Demonstrate the ability to account for onsite personnel.
- b. Demonstrate the ability to provide adequate radiation protection, dosimetry, personnel monitoring, and area surveys under emergency conditions.
- c. Demonstrate the ability to enter a highly contaminated area for the purpose of rescuing casualties.
- d. Demonstrate the ability to maintain plant security under emergency conditions.
- e. Demonstrate the ability to perform personnel and equipment decontamination.
- f. Demonstrate the ability of the emergency response organization to use Protective Action Guides to make decisions on the taking and relaxing of protective actions.

#### 8. Corrective Actions

Demonstrate the ability to place the plant in a safe condition with consideration of appropriate engineering safeguards and radiological controls.

#### 9. Medical Assistance

Demonstrate the ability to provide first aid and transport for an injured individual who has been contaminated or has received a high radiation dose.

#### 10. Recovery and Re-entry

Demonstrate the establishment of a recovery organization.

#### 11. Miscellaneous

Demonstrate the ability to self-critique, to identify areas needing improvement, and to identify future appropriate plan and procedural changes.