

RELATED CORRESPONDENCE

## PHILADELPHIA ELECTRIC COMPANY

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SHIELDS L. DALTROFF  
VICE PRESIDENT  
ELECTRIC PRODUCTION

December 12, 1984

OFFICE OF THE DIRECTOR  
DOCKETING & SERVICE  
BRANCHDocket Nos. 50-352 OL  
50-353 OL

Dr. Thomas Murley  
Regional Administrator  
Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pa. 19406

Subject: Limerick Generating Station  
1985 Emergency Preparedness Exercise

Dear Dr. Murley:

Limerick Generating Station expects to conduct the annual 1985 emergency preparedness exercise in the first quarter, 1985. A date for the exercise will be given after a meeting scheduled for January 16, 1985, with the Federal Emergency Management Agency, state emergency management agencies, and other licensees.

The objectives related to Philadelphia Electric Company's response are provided for your review.

Please contact us if you have any concerns or comments relating to these objectives.

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PDR ADOCK 05000352  
F PDR

Very truly yours,

Original signed by  
S. L. DALTROFF

Attachment

December 12, 1984

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cc: D. F. Taylor (PEMA)  
T. Gerusky (BRP)  
J. Asher (FEMA)

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Site Inspector, LCS

See Attached Service List

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OBJECTIVES FOR THE 1984  
NRC/FEMA OBSERVED LGS EXERCISE

To demonstrate the radiological emergency response preparedness of the Limerick Generating Station, and the Philadelphia Electric Company (PECo), an integrated radiological emergency response exercise will be conducted.

The PECO objectives of the exercise are as follows:

A. Accident Assessment

1. Demonstrate the ability of station personnel to recognize an emergency initiating event and properly characterize and classify the emergency according to the pre-established Emergency Action Levels.
2. Demonstrate that PECO personnel can perform offsite dose projections and accident assessment, for both radioactive noble gases and radioiodine, quickly and accurately.
3. Demonstrate that onsite and offsite field monitoring teams can be dispatched and deployed in a timely manner; that field communications are adequate; that radiological monitoring equipment is functional; that simulated data are accurately obtained and transmitted to the appropriate location and individuals; that results for area radiation levels and air sampling and analysis for radioiodine and particulates can be effectively used in determining protective action recommendations.

B. Activation of Emergency Facilities

1. Demonstrate the ability of station and corporate personnel to activate and man the emergency response facilities as appropriate for the existing emergency class and to transfer functional responsibilities to the appropriate operations center when escalating or de-escalating to a different emergency class.
2. Demonstrate that adequate security of facilities can be maintained.

3. Demonstrate functional capabilities of equipment in both Emergency Operation Facility and Technical Support Center. (Functional capabilities may be simulated on real-time computer equipment.)

C. Notification and Communication

1. Demonstrate that station and offsite notification of PECO staff and officials can be accomplished in a timely manner and that all initial notification and updating is verified and logged.
2. Demonstrate the ability to communicate with in-plant monitoring teams, rescue parties, and other station personnel as needed.
3. Demonstrate that messages are transmitted in an accurate and timely manner; that messages are properly logged; that status boards are accurately maintained and updated; that appropriate briefings are held and incoming personnel are briefed and updated.
4. Demonstrate that public information is coordinated between PECO and offsite officials; that there are accurate and timely press releases and briefings; that designated public information personnel are implementing their procedures.

D. Station Health Physics and Security

1. Demonstrate the ability to account for all personnel onsite.
2. Demonstrate the ability to provide adequate radiation protection services such as dosimetry and personnel monitoring (frisking).
3. Demonstrate the ability to perform area surveys under emergency conditions.

4. Demonstrate the ability to enter a highly contaminated area for the purpose of rescuing casualties.
5. Demonstrate the ability to provide first aid and transportation to a suitably prepared medical facility for an injured individual who has been contaminated or has received a high radiation dose.
6. Demonstrate the ability to maintain plant security under emergency conditions.
7. Demonstrate the ability to perform post-accident sampling and analysis of in-plant airborne radioactivity and surface contamination levels.
8. Demonstrate the ability to perform personnel and equipment decontamination.
9. Demonstrate the use of post-accident sampling equipment to obtain transport, and analyze samples of reactor coolant and/or containment air samples under conditions involving fuel damage.
10. Demonstrate the ability to provide emergency access to off-site support personnel.

E. Direction and Control

1. Demonstrate that local offsite support agencies such as ambulance squads and fire companies will provide timely support.
2. Demonstrate the ability of the directors to direct the emergency organizations in the implementation of the Emergency Plan and the Emergency Plan Implementing Procedures (EPIPs).
3. Demonstrate the capability to technically evaluate the incident conditions and implement appropriate corrective actions.



4. Demonstrate that PECO has 24 hr staffing capability. (May be done on a limited scale by demonstrating shift relief.)

F. Protective Actions

1. Demonstrate the ability of the station and the EOF to make recommendations on both the taking and relaxing of protective actions by preparing an exercise scenario which provides for a hypothetical total integrated whole body or thyroid dose exceeding the evacuation PAGs for at least the nearest residents.

G. Parallel and Other Actions

1. Demonstrate the ability to call on a designated hospital to treat a hypothetically contaminated, injured patient and that the ambulance service can effectively transport hypothetically contaminated, injured personnel to the hospital. Demonstrate that the ambulance and associated equipment can be decontaminated and that contaminated clothing and disposable materials are properly discarded.
2. Demonstrate the ability to call on a designated fire company to aid in fighting a hypothetical fire.
3. Demonstrate the licensee's capability for self-critique and ability to identify areas needing improvement in order to make future appropriate procedural changes.

cc: Judge Helen F. Hoyt  
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Judge Richard F. Cole  
Judge Christine N. Kohl  
Judge Gary J. Edles  
Judge Reginald L. Gotchy  
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