

# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

ARTHUR E. LUNDVALL, JR.  
VICE PRESIDENT  
SUPPLY

July 1, 1983

U.S. Nuclear Regulatory Commission  
Office of Inspection & Enforcement  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

SUBJECT: Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318  
1983 Emergency Response Plan Exercise

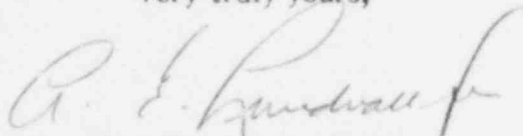
ATTENTION: Mr. J. M. Allan, Acting Director

Gentlemen:

The subject exercise is scheduled for September 14, 1983. Objectives for this exercise are attached. A full scenario will be submitted to your office 45 days prior to the exercise date.

Should you have any questions regarding this matter, we would be pleased to discuss them with you.

Very truly yours,



Vice President - Supply

AEL/TEF/sab

Enclosure

cc: J. A. Biddison, Esquire  
G. F. Trowbridge, Esquire  
D. H. Jaffe, NRC  
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Mr. J. M. Allan  
July 1, 1982  
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bcc: J. A. Tiernan  
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## ENCLOSURE (1)

### CALVERT CLIFFS NUCLEAR POWER PLANT

#### EMERGENCY RESPONSE EXERCISE, 1983

#### **I. OBJECTIVES - BALTIMORE GAS & ELECTRIC COMPANY**

##### **A. Site Emergency Organization**

1. Demonstrate the necessary understanding of Emergency Action Levels (EALs) and proficiency in recognizing and classifying emergency conditions.
2. Demonstrate proficiency in taking appropriate corrective action(s) in response to and recovery from an emergency.
3. Demonstrate effective and proper procedure for alerting, notifying, and reporting to the Federal, State, local, Corporate, and plant personnel.
4. Demonstrate proper procedure for on-site and off-site radiological monitoring to include collection and analysis of all sample media (e.g., water, vegetation, soil and air) and provisions for communications and record keeping associated with these survey and monitoring activities.
5. Demonstrate timely and effective estimation and assessment of radiological releases. Also, demonstrate the radiological consequences of accidents or accidental releases.
6. Demonstrate familiarity with Radiological Emergency Protective Actions considered for use to protect people and other resources both in-plant and off-site.
7. Test and demonstrate the adequacy and effectiveness of plant emergency facilities, equipment, and communication networks.
8. Demonstrate proper procedure for first aid and handling of a contaminated accident victim.
9. Demonstrate proper procedure for emergency security measures to include control of access and egress, personnel accountability, etc.
10. Demonstrate precise and clear transfer of command responsibilities to the Recovery Organization (mandatory for Site & General Emergency).

##### **B. Recovery Organization**

1. Demonstrate that participating organizations can notify, and mobilize emergency response personnel to respond to an emergency in a timely fashion.
2. Demonstrate primary functional responsibilities and/or problem solving capabilities.

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#### EMERGENCY RESPONSE EXERCISE, 1983

3. Demonstrate proper procedure for communicating with state and local governments within the plume exposure emergency planning zone (10 mile EPZ).
4. Demonstrate the ability to perform radiological assessments, and off-site dose assessment projections necessary to provide advance warning to Local, State, and Federal agencies, and to the general public.
5. Demonstrate that decisions can be made with regard to protective measures for both the plume and ingestion exposure pathway emergency planning zones.
6. Demonstrate the ability to integrate its activities with those of other participating emergency response organizations (County, State, and Federal).
7. Demonstrate capability to produce public information releases and handle public inquiries.
8. Demonstrate the ability to maintain continuity of command control throughout the exercise.
9. Demonstrate recovery techniques in the ability to deescalate (deactivate) corporate and site response activities and the general public.
10. Demonstrate proper procedure for preparation of reports, messages, and records.
11. Demonstrate the physical adequacy of the various emergency facilities for individual member working space and communication usage.

## II. OBJECTIVES - STATE & COUNTIES

- A. Demonstrate the adequacy and capability of State and County radiological emergency response plan implementation.
- B. Demonstrate the State and local accident assessment system effectiveness, to include adequacy of equipment, personnel staffing and competency skills with respect to reporting, dose projection, field measurement, actions for coordination, communications and decision(s) for recommended protective actions.

ENCLOSURE (I)

CALVERT CLIFFS NUCLEAR POWER PLANT

EMERGENCY RESPONSE EXERCISE, 1983

- C. Test and demonstrate the adequacy of the CCNPP notification and alert procedures in the following areas:
  - 1. Notification by CCNPP to State and County government.
  - 2. Notification by the Maryland Emergency Management and Civil Defense Agency (MEM&CDA) to the Department of Health and Mental Hygiene, Division of Radiation Control (DRC), plume zone and ingestion zone county emergency operations center (EOC), selected State Departments/Agencies, Federal Emergency Management Agency (FEMA), contiguous States, American Red Cross and the U. S. Coast Guard.
  - 3. Notification by Plume Zone County and State Departments/Agencies of emergency response staff personnel.
- D. Test and demonstrate the ability to implement notification procedures in the event of an accident at CCNPP, to include continuing notification and coordination.
- E. Demonstrate the ability to alert and notify the public within the plume exposure pathway emergency planning zone for the CCNPP. To include operability of the prompt notification system sirens.
- F. Demonstrate the ability to provide the public within the CCNPP plume exposure pathway emergency planning zone emergency status updates.
- G. Test and demonstrate the adequacy of external communication systems from CCNPP, State, and County emergency operations centers and field locations. Federal agencies and contiguous States system will also be checked.
- H. Demonstrate the ability to initiate and coordinate timely and effective decisions with respect to an accident at CCNPP.
- I. Demonstrate the capability to identify and provide resource requirements.
- J. Demonstrate the capability to coordinate (internal/external) actions, needs and status of situations between organizations for the purpose of acquiring support and evoking appropriate decisions.

**ENCLOSURE (I)**  
**CALVERT CLIFFS NUCLEAR POWER PLANT**  
**EMERGENCY RESPONSE EXERCISE, 1983**

- K. Demonstrate the level of support and participation provided by the responsible elected/appointed officials.
- L. Demonstrate the capability to make decisions and to implement the following protective actions:
  - 1. Take shelter (limited)
  - 2. Evacuation (limited)
  - 3. Access Control (full activation)
  - 4. Food, water, milk and livestock feed control (limited)
- M. Demonstrate the capability to make decisions and to implement emergency medical services.
- N. Demonstrate methods and resources for distribution, issuance and administering of potassium iodide (KI) to emergency workers.
- O. Demonstrate methods and resources for distribution of dosimetry to emergency workers.
- P. Demonstrate personnel monitoring, equipment monitoring and decontamination procedures.
- Q. Demonstrate the methods and capability for keeping radiation exposure records.
- R. Demonstrate the capability to provide food, clothing and shelter for evacuees to include evacuation center operations.
- S. Demonstrate the Public Information Program and the adequacy of the interface of State, County and CCNPP public information systems with the news media.
- T. Test and demonstrate the adequacy of the emergency operations center with respect to space, comfort and function for managing a fixed nuclear facility incident.
- U. Test and demonstrate the adequacy, appropriateness, and effectiveness of the internal communications system within the EOC, to include maps and displays.

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EMERGENCY RESPONSE EXERCISE, 1983

- V. Demonstrate the adequacy of staffing and competency of EOC staff.
- W. Test and demonstrate the adequacy of access control and security means for EOC.