Commonwealth Edison
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PRIORITY ROUTING

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FILE

January 31, 1986

Mr. James G. Keppler
Regional Administrator
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Byron Station Units 1 and 2
1986 Byron Station GSEP Exercise
Scope of Participation and Objectives
NRC Docket Nos. 50-454/455

Dear Mr. Keppler:

Enclosed for your review and approval are copies of the "Scope of Participation" and the "Objectives" for the May, 1986 Byron unannounced exercise.

If there are any questions on this matter, please contact this office.

Sincerely,

Greg Alexander

Greg Alexander
Nuclear Licensing Administrator

att.

cc: U.S. NRC Document Control Desk

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FEB 3 1986

BYRON 1986 GSEP EXERCISE

"SCOPE OF PARTICIPATION"

Commonwealth Edison will participate in the Byron Station exercise by activating the on-site emergency response organization and the off-site emergency response organization as appropriate, subject to limitations that may become necessary to provide for safe efficient operation of Byron Station and other CECo nuclear generating stations.

Activation of the TSC and other on-site participants will be conducted on a real time basis during the day time hours. The shift on duty will receive the initial scenario information and respond accordingly.

The Nuclear Duty Person, the Corporate Command Center, and the balance of the Recovery Group will be notified and respond on a real time basis to their designated posts.

The Byron Station May 1986 Exercise is an unannounced event to test the integrated capability of Commonwealth Edison preparedness plans and to assure adequate resources to verify CECo's capability to respond to a simulated emergency.

Commonwealth Edison will demonstrate the capability to make contact with contractors whose assistance would be required by the simulated accident situation, but will not actually incur the expense of using contractor services to simulate emergency response except as prearranged specifically for the exercise.

Commonwealth Edison will arrange to provide actual transportation and communication support in accordance with existing agreements to the extent specifically prearranged for the exercise. Commonwealth Edison will provide unforeseen actual assistance only to the extent that the resources are available and do not hinder normal operation of the company.

On-site assembly and accountability along with High Range Sampling System (HRSS) will be simulated during this exercise. Assembly and accountability will be demonstrated at a date and time selected to minimize disruption of construction work in progress.

BYRON 1986 GSEP EXERCISE

OBJECTIVES

Primary Objective:

Demonstrate the capability to implement the Commonwealth Edison Generating Stations Emergency Plan to protect the public in the event of a major accident at the Byron Station. Demonstrate this capability during the hours to qualify as a day-time exercise in accordance with NRC guidance.

Supporting Objectives:

1) Incident Assessment and Classification

   a. Demonstrate the capability to assess the accident conditions to determine which Emergency Action Level (EAL) has been reached, and to classify the accident level correctly in accordance with GSEP.
   - (EOF, CCC, TSC, CR)

2) Notification and Communication

   a. Demonstrate the capability to notify the principal offsite organizations within 15 minutes of declaring an accident classification.
   - (EOF, CCC, TSC, CR)

   b. Demonstrate the capability to notify the NRC within one hour of the initial incident.
   - (CR)

   c. Demonstrate the capability to contact organizations that would normally assist in an emergency, but are not participating in this exercise (e.g. INPO, Murray & Trettel, Westinghouse, etc.)
   - (CR, CCC, EOF, TSC)

   d. Demonstrate the ability to provide follow-up information to the State in a timely manner.
   - (EOF)

3) Radiological Assessment

   a. Demonstrate the capability to calculate off-site dose projections.
   - (EOF, CCC, TSC)

b. Demonstrate the capability of environmental field teams to conduct field radiation surveys and collect air, liquid, vegetation and soil samples when needed.
- (ENV)

c. Demonstrate the capability to conduct in-plant radiation protection activities.
- (OSC, HP)

d. Demonstrate the ability to perform calculations with radiological survey information, trend this information, and make appropriate recommendations concerning protective actions.
- (EOF, CCC, TSC, HP)

4) Emergency Facilities

a. Demonstrate the capability to activate the emergency organization and staff the nuclear station emergency response facilities in accordance with procedures during a day time period.
- (EOF, TSC, HP, CHEM)

b. Demonstrate through discussion and staff planning, the ability to perform a shift change in the TSC, EOF and control room.
- (EOF, TSC, CCC)

5) Emergency Direction and Control

a. Demonstrate the ability of the directors to manage the emergency organizations in the implementation of the GSEP.
- (EOF, CCC, OSC, TSC, CR)

6) Recovery and Re-entry

a. Demonstrate the capability of the emergency response personnel to identify requirements, programs, and policies governing damage assessments and implementing procedures for recovery and re-entry.
- (EOF, CCC, TSC)

- (Groups that are primarily concerned)