



Commonwealth Edison
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August 30, 1983

PRINCIPAL STAFF	
PA	✓
D/PA	✓
QA	✓
DEPT	✓
SA	✓
MA	✓
ML	✓
OL	✓
	FILE

Mr. Jack Hind, Director
 Radiological Materials Safety Program
 U.S. Nuclear Regulatory Commission Region III
 799 Roosevelt Road
 Glen Ellyn, IL 60137

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Subject: Byron Station Emergency Exercise, November 15, 1983 NRC Docket
Numbers 50-454, 50-455

Please find enclosed the Scope of Participation and Exercise Objectives for the Byron Exercise scheduled for Tuesday, November 15, 1983.

This submittal satisfies the 75-day prior to the exercise milestone commitment.

Should you have any questions regarding the Byron Exercise please contact me at (312) 294-8145 or Carol Nellis at (312) 294-8154.

Sincerely,

James R. Barr
 James R. Barr
 Lead Emergency Planner
 North Team
 Technical Services Nuclear

JRB/CAN/kjn
 #06940/27

Enclosures

cc: Mr. Dan Bement, Acting Chief Technological Hazards Branch
 FEMA, Region V Federal Center
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Mr. David Wise, Deputy Director, Illinois ESDA
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 R. E. Querio, Superintendent, Byron Station

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Byron Exercise
OBJECTIVES

PRIMARY OBJECTIVE:

Demonstrate the capability to implement the Commonwealth Edison Generating Stations Emergency Plan in cooperation with the Illinois Plan for Radiological Accidents to protect the public in the event of major accident at the Byron Station.

SUPPORTING OBJECTIVE:

1. Demonstrate the capability to classify accident conditions and make timely reports in accordance with the GSEP.
2. Demonstrate the capability to activate the TSC, EOF, & CCC with directors and appropriate staff in accordance with procedures.
3. Demonstrate the capability to interface in a timely and effective manner with the principal offsite organizations responsible for responding to a radiological emergency.
4. Demonstrate the capability to exercise initial control of off-site environmental activities, transfer control to appropriate state agencies and coordinate employment of CECO environmental resources in support of state controlled environmental activities.
5. Demonstrate the capability to conduct in-plant radiation protection activities and collect and simulate analysis of air or liquid samples.
6. Demonstrate the capability of environmental field teams to conduct field radiation surveys and collect air, liquid, vegetation and soil samples.
7. Demonstrate the capability to calculate off-site dose projections in coordination with governmental agencies.
8. Demonstrate the capability to communicate reports, information and assessments of the situation among all participating principal command and control centers.
9. Demonstrate the capability to process information and take appropriate action in accordance with plans and procedures.
10. Demonstrate the capability to contact organizations that would normally assist in the given emergency situation, but are not fully participating in this exercise.
11. Demonstrate the capability to provide initial care of a radiologically contaminated casualty, arrange transport and assist the medical treatment facility with contamination control in accordance with plans and procedures.

SCOPE OF PARTICIPATION

Commonwealth Edison will participate in the Byron 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 the Byron 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 and the balance of the Recovery Group will be prepositioned close to the Dixon EOF to permit use of Recovery Group personnel from distant locations.

The Corporate Command Center will be activated.

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 the resources are available and do not hinder normal operation of the company.

On-site assembly and accountability will be simulated during this exercise. Assembly and accountability will be demonstrated by Byron Station at a date and time selected to minimize disruption of construction work in progress.

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