



UTILITIES

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January 12, 1996
NEP-96-0018

Mr. Hubert J. Miller
Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
801 Warrenville Road
Lisle, IL 60532-4351

Re: Duane Arnold Energy Center (DAEC)
Subject: Docket No. 50-331
Op. License No. DPR-49
1996 Emergency Preparedness Exercise Objectives
File: A-221b

Dear Mr. Miller:

Enclosed please find a copy of the NRC exercise objectives tracking matrix for the DAEC. These objectives are being forwarded for your review. This submittal also includes those FEMA-REP-14 exercise objectives due for offsite demonstration which have been submitted to FEMA Region VII through the Iowa Emergency Management Division.

If you have any questions regarding this submittal, please contact Larry Heckert, Manager, Emergency Planning at 319-398-4286.

Sincerely,

John F. Franz Jr.
Vice President, Nuclear

JFF/KCE/

Enclosures: Scope and Objectives Basis
NRC Exercise Objectives
FEMA Exercise Objectives

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cc: EP Staff
Ellen Gordon
US NRC Document Control Desk (Original)
US NRC DAEC Resident Inspector's Office

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SCOPE AND OBJECTIVES BASIS

SCOPE

The 1996 DAEC Emergency Preparedness Exercise scheduled for April 9 and 10, 1996 will test and provide the opportunity to evaluate IES Utilities Inc., State of Iowa, and Benton, Linn, and Buchanan Counties' emergency plans and procedures. The exercise will test each organization's ability to assess and respond to emergency conditions, and to coordinate efforts with other agencies to protect the health and safety of the public.

Whenever practical, this exercise will incorporate provisions for "free play" on the part of the participants. The scenario, as driven by the DAEC Control Room Simulator, will depict a simulated sequence of events resulting in a radiological release of a magnitude sufficient to warrant the mobilization of State and local response agencies.

OBJECTIVES

The DAEC 1996 Emergency Preparedness Exercise Program objectives are based on the NRC requirements delineated in 10 CFR 50.47 and 10 CFR 50 App. E. Additional guidance in NUREG-0654 FEMA-REP-1 Rev. 1, NUREG-0696, and NUREG-0737 Supp. 1 was utilized in developing these objectives.

This exercise will include participation from Benton, Linn, and Buchanan Counties, and the State of Iowa. Offsite objectives are based on the FEMA Exercise Manual and the Exercise Evaluation Methodology, FEMA-REP-14 and FEMA-REP-15 respectively.

Please note that the warning system sirens for the DAEC Emergency Planning Zone will not be sounded for the exercise, and the area EBS Station will not be broadcasting simulated emergency messages during the exercise.

The purpose of this exercise is to evaluate the integrated capability of a major portion of the basic elements of onsite and offsite emergency response plans and emergency response organizations. Specific objectives to be demonstrated during this exercise are listed in the following documents.

NRC EXERCISE OBJECTIVES (IP 82302)

	93	94	95	96	97	98	99	00
a. To be Exercised Annually								
1. Accident Detection and Assessment	x	x	x	x				
2. Emergency Classification	x	x	x	x				
3. Notification of onsite and offsite Emergency Responders	x	x	x	x				
4. Communications	x	x	x	x				
Radiological Exposure Control	x	x	x	x				
Protective Action Recommendations	x	x	x	x				
Staff Augmentation	x	x	x	x				
8. Shift Staffing	x	x	x	x				
b. To be Exercised over a 6-year Period								
1. Off-hours staffing (1800-0400) (1)	x	x						
2. Activation of Joint Public Information Center		x	x	x				
3. Use of Fire Control Teams (2)		x						
4. Use of First-Aid and/or Rescue Teams		x		x				
5. Use of Medical Support Personnel		x		x				
6. Use of Licensee's Headquarters Support Personnel		x	x	x				
7. Use of Security Personnel to provide prompt access for Emergency Equipment and Support			x					
8. Use of Backup Communications				x				
9. Rumor Control		x	x	x				
10. Use of Emergency Power (where not a part of plant safety systems, e.g. TSC) (3)		x						
11. Evacuation of Emergency Response Facilities and Relocation to Backup Facilities, where applicable				x				
12. Ingestion Pathway Exercise, when necessary to support State Exercise requirements				x				
13. Field monitoring, including soil, vegetation, and water sampling		x	x					
14. Capability for determining the magnitude and impact of the particular components of a release		x	x	x				

NRC EXERCISE OBJECTIVES (IP 82302)

	93	94	95	96	97	98	99	00
15. Capability for post-accident coolant sampling and analysis		x		x				
16. Use of Potassium Iodide (KI)				x				
17. Assembly and Accountability		x	x	x				
18. Recovery and Reentry	x			x				
(1) Off-hours staffing demonstrated by annual activation drills								
(2) Fire Control Teams are demonstrated per the DAEC Fire Plan								
(3) Emergency power for the TSC is demonstrated by routine inspection of applicable test procedures								

Benton County Objectives

1. Mobilization of personnel
2. Facilities, equipment, and displays
3. Direction and control
4. Communications
5. Emergency worker exposure control
10. Public alerting
11. Public information
14. KI for emergency workers
15. Implement protective actions
16. School protective actions
17. Traffic and access control
29. Recovery/re-entry actions
30. Shift change

Linn County Objectives

1. Mobilization of personnel
2. Facilities, equipment, and displays
3. Direction and control
4. Communications
5. Emergency worker exposure control
10. Public alerting
11. Public information
14. KI for emergency workers
15. Implement protective actions
16. School protective actions
17. Traffic and access control
29. Recovery/re-entry actions
30. Shift change

Kirkwood EWMDS Objectives

1. Mobilization of personnel
3. Direction and control
4. Communications
5. Emergency worker exposure control
14. KI for emergency workers
22. Worker/vehicle decontamination
30. Shift change

Buchanan County Objectives

1. Mobilization of personnel
3. Direction and control
4. Communications
5. Emergency worker exposure control
18. Registration and monitoring
19. Facility for congregate care
30. Shift change

JPIC Objectives

1. Mobilization of personnel
2. Facilities, equipment, and displays
4. Communications
5. Emergency worker exposure control
12. Media briefings
13. Rumor control
14. KI for emergency workers
30. Shift change

Center Point-Urbana School District Objectives

- 4. Communications
- 5. Emergency worker exposure control
- 14. KI for emergency workers
- 16. School protective actions

College Community School District Objectives

- 4. Communications
- 5. Emergency worker exposure control
- 14. KI for emergency workers
- 16. School protective actions

Mercy Medical Center Objectives

- 5. Emergency worker exposure control
- 14. KI for emergency workers
- 21. Hospital operations

Benton- Linn Ambulance Objectives

- 5. Emergency worker exposure control
- 14. KI for emergency workers
- 20. Emergency medical service