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 DAVIS, B.A. Region 3, Ofc of the Director

SUBJECT: Forwards 1989 emergency preparedness exercise objectives.

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MDH

Iowa Electric Light and Power Company

August 8, 1989

NG-89-2360

Mr. Bert A. Davis
Regional Administrator - Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Re: Duane Arnold Energy Center
Subject: Docket No: 50-331
Op. License No: DPR-49
1989 Emergency Preparedness Exercise Objectives
File: A-221b

Dear Mr. Davis:

Enclosed please find a copy of our 1989 Emergency Preparedness Exercise Objectives. This submittal also includes the objectives for Linn and Benton counties. Offsite participation is limited to Linn and Benton counties since the Federal Emergency Management Agency is not evaluating this year's exercise. These objectives are being forwarded to you for review at this time.

If you have any questions, please contact Paul Serra, Manager, Emergency Planning at (319) 398-8190, or Grant Harper, Group Leader, Emergency Planning at (319) 398-8177.

Very truly yours,



Daniel L. Mineck
Manager, Nuclear Division

DLM/GH/kdb

- Attachment 1: Scope and Objectives
2: 1989 Iowa Electric Emergency Preparedness Exercise Objectives
3: Objectives for Linn and Benton Counties

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SCOPE AND OBJECTIVES

Scope

The 1989 Duane Arnold Energy Center Emergency Preparedness Exercise, to be conducted on October 26, 1989 will test and provide the opportunity to evaluate Iowa Electric Light and Power Company's emergency plans and procedures. It will also test each emergency response organization's ability to assess and respond to emergency conditions and coordinate efforts with other agencies for protection of the health and safety of the public.

Whenever practical, the exercise will incorporate provisions for "Free Play" on the part of the participants.

The scenario will depict a simulated sequence of events, resulting in a radiological release of sufficient magnitude to warrant mobilization of State and local agencies to respond to the emergency.

Objectives

The Duane Arnold Energy Center (DAEC) 1989 Emergency Preparedness Exercise Program objectives are based on the Nuclear Regulatory Commission (NRC) requirements delineated in 10 CFR 50.47 and 10 CFR 50, Appendix E. Additional guidance provided in NUREG-0654, FEMA-REP-1, Revision 1, NUREG-0696 and NUREG-0737 Supplement 1 was utilized in developing these objectives.

This exercise will include participation from Linn and Benton Counties, and limited participation from the State of Iowa. County participation is intended for training purposes only as Federal Emergency Management Agency (FEMA) evaluation will not take place for the 1989 Exercise. The off-site objectives are based on the FEMA Guidance Memorandum EX-3. The warning system sirens and EBS notifications for the emergency planning zone will not be activated during the exercise.

The purpose of the exercise is to evaluate the integrated capability of a major portion of the basic elements existing within the on-site and off-site emergency plans and emergency response organizations. The specific objectives of the exercise to be demonstrated are listed on the following pages.

IOWA ELECTRIC LIGHT AND POWER COMPANY

OBJECTIVES	COMMENTS
1. Demonstrate the adequacy of the DAEC Emergency Plan, Emergency Plan Implementing Procedures, Corporate Emergency Response Plan, and Corporate Plan Implementing Procedures.	None
2. Demonstrate the activation, staffing, and operation of emergency response facilities.	None
3. Demonstrate the reliability and effective use of emergency communications equipment and procedures.	None
4. Demonstrate proficiency in recognizing and classifying emergency conditions.	None
5. Demonstrate the notification network to federal, state, and local, corporate, and plant personnel.	Federal and State initial notifications only. All other notifications will be per procedure.
6. Demonstrate coordination with local emergency response organizations.	None
7. Demonstrate ability to assess the emergency condition and to take action to mitigate that emergency condition.	None
8. Demonstrate the ability to perform dose calculations utilizing radiological and meteorological information to determine the magnitude and impact of the release of radioactive materials to the environment.	None
9. Demonstrate the ability to obtain and utilize information concerning meteorological forecasts in the formulation of protective action recommendations to off-site authorities.	None
10. Demonstrate the transition of responsibilities between facilities as a result of escalating accident classification.	None
11. Demonstrate familiarity with Protective Action Guides (PAGs) and recommendation of protective actions to off-site authorities.	None
12. Demonstrate the mobilization of on-site and off-site radiological monitoring teams.	None

IOWA ELECTRIC LIGHT AND POWER COMPANY (Cont'd)

OBJECTIVES	COMMENTS
13. Demonstrate appropriate equipment, procedures, and communication for on-site and off-site radiological monitoring.	None
14. Demonstrate the capability for off-site radiological monitoring to include collection and analysis of sample media and provision for communications and record keeping associated with survey and monitoring activities.	Sample media will include air, water, soil and vegetation. Samples will be analyzed by the ORAL.
15. Demonstrate the ability to perform site assembly, accountability, and evacuation as appropriate.	The ORAA will be demonstrated using simulated contaminated personnel.
16. Demonstrate the capability to obtain and analyze samples utilizing the post-accident sampling system.	None
17. Demonstrate the ability to monitor and control emergency worker exposure within the plant	Use of self-contained breathing apparatus will be demonstrated.
18. Demonstrate adequate equipment and procedures for decontamination of emergency workers and equipment, as required.	None
19. Demonstrate the ability to prepare and coordinate news releases, handle public inquiries, control rumors and conduct media briefings.	None

BENTON COUNTY OBJECTIVES

OBJECTIVES	COMMENTS
1. Demonstrate the ability to monitor, understand and use emergency classification levels (ECL) through the appropriate implementation of emergency functions and activities corresponding to ECL's as required by the scenario. The four ECL's are: Notification of Unusual Event, Alert, Site Area Emergency and General Emergency.	None
2. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.	This includes the County EOC, representatives at the EOF and ENC.
3. Demonstrate the ability to direct, coordinate and control emergency response activities.	None
4. Demonstrate the ability to communicate with all appropriate facilities, organizations and field personnel.	None
5. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.	None
6. Demonstrate the ability to continuously monitor and control emergency worker exposure.	None
11. Demonstrate the ability to make appropriate protective action decisions, based on projected or actual dosage, EPA PAG's, evacuation time estimates and other relevant factors.	The County EOC provides an input to the State EOC decision-making and coordinates activities. The State EOC will be simulated as necessary.
12. Demonstrate the ability to initially alert the public within the DAEC EPZ and begin dissemination of an instructional message within 15 minutes of a decision by appropriate State and/or local official(s).	The County will not activate the public notification system. The EBS station will be contacted and receipt of the message acknowledged. Sirens will not be sounded nor radio messages broadcasted.
13. Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public in a timely fashion after the initial alert and notification has occurred.	The County representative in the ENC coordinates this activity.

BENTON COUNTY OBJECTIVES (Cont'd)

OBJECTIVES	COMMENTS
14. Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.	Provided by the County representative in the ENC.
15. Demonstrate the ability to establish and operate Rumor Control in a coordinated and timely fashion.	The utility staffs Rumor Control phones. The County representative responds to rumors which relate to County operations.
16. Demonstrates the ability to make the decision to recommend the use of KI to emergency workers and institutionalized persons, based on predetermined criteria, as well as to distribute and administer it once the decision is made, if necessitated by radioiodine releases.	The State EOC decision making process to administer KI to emergency workers will be simulated. County EOC distribution of KI will be simulated.
18. Demonstrate the ability and resources necessary to implement appropriate protective actions for the impacted permanent and transient plume EPZ population (including transit-dependent persons, special needs populations and handicapped persons.	This will be demonstrated with simulated messages.
19. Demonstrate the ability and resources necessary to implement appropriate protective actions for school children within the plume EPZ.	The County EOC will assess transportation requirements Evacuation will be simulated.

LINN COUNTY OBJECTIVES

OBJECTIVES	COMMENTS
1. Demonstrate the ability to monitor, understand and use emergency classification levels (ECL) through the appropriate implementation of emergency functions and activities corresponding to ECL's as required by the scenario. The four ECL's are: Notification of Unusual Event, Alert, Site Are Emergency and General Emergency.	None
2. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.	This includes the County EOC, representatives at the EOF and ENC and others as necessary.
3. Demonstrate the ability to direct, coordinate and control emergency response activities.	None
4. Demonstrate the ability to communicate with all appropriate facilities, organizations and field personnel.	None
5. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.	None
6. Demonstrate the ability to continuously monitor and control emergency worker exposure.	None
11. Demonstrate the ability to make appropriate protective action decisions, based on projected or actual dosage, EPA PAG's evacuation time estimates and other relevant factors.	The County EOC provides an input to the State EOC decision-making and coordinates activities. The State EOC will be simulated as necessary.
12. Demonstrate the ability to initially alert the public within the DAEC EPZ and begin dissemination of an instructional message within 15 minutes of a decision by appropriate State and/or local official(s).	The County will not activate the public notification system. The EBS station will be contacted and receipt of the message acknowledged. Sirens will not be sounded nor radio messages broadcasted.
13. Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public in a timely fashion after the initial alert and notification has occurred.	The County representative in the ENC coordinates this activity.

LINN COUNTY OBJECTIVES (Cont'd)

OBJECTIVES	COMMENTS
14. Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.	Provided by the County representative in the ENC.
15. Demonstrate the ability to establish and operate Rumor Control in a coordinated and timely fashion.	The utility staffs Rumor Control phones. The County representative responds to rumors which relate to County operations.
16. Demonstrate the ability to make the decision to recommend the use of KI to emergency workers and institutionalized persons, based on predetermined criteria, as well as to distribute and administer it once the decision is made, if necessitated by radioiodine releases.	The State EOC decision making process to administer KI to emergency workers will be simulated. County EOC distribution of KI will be simulated.
18. Demonstrate the ability and resources necessary to implement appropriate protective actions for the impacted permanent and transient plume EPZ population (including transit-dependent persons, special needs populations and handicapped persons.)	This will be demonstrated with simulated messages.
19. Demonstrate the ability and resources necessary to implement appropriate protective actions for school children within the plume EPZ.	The County EOC will assess transportation requirements. Evacuation will be simulated.
20. Demonstrate the organizational ability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.	Primary Traffic Control Points will be manned and/or simulated. The remainder will be simulated.