

Omaha Public Power District  
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Omaha, Nebraska 68102-2247  
402/636-2000

August 14, 1990  
LIC - 90-0664

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Stop P1-137  
Washington, D.C. 20555

Reference: Docket No. 50-285

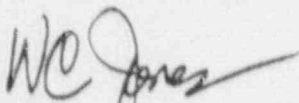
Gentlemen:

*THIS TRANSMITTAL CONTAINS EMERGENCY  
PREPAREDNESS EXERCISE INFORMATION  
THAT SHOULD NOT BE RELEASED TO THE  
PUBLIC DOCUMENT ROOM BEFORE  
NOVEMBER 28, 1990*

SUBJECT: Fort Calhoun 1990 Emergency Preparedness Exercise

In a letter dated February 9, 1984, the Commission requested Omaha Public Power District provide a summary of the exercise objectives approximately 60 days prior to the exercise. Accordingly, the subject information is herein provided for the upcoming Fort Calhoun Station 1990 Emergency Exercise.

Sincerely,



W.C. Jones  
Senior Vice President

WCJ/cas

Enclosures

c: Mr. R.D. Martin, NRC Regional Administrator  
LeBoeuf, Lamb, Leiby & MacRae  
R.P. Mullikin, NRC Senior Resident Inspector  
Dr. D.H. Powers, Chief Emergency Preparedness and Security  
Dr. D.B. Spitzberg, NRC Emergency Preparedness Analysis

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1990 EMERGENCY PREPAREDNESS

OBJECTIVES

for

OMAHA PUBLIC POWER DISTRICT  
FORT CALHO'N STATION

## OBJECTIVES

Objectives for the exercise are provided under this heading. Objectives provide a basis for scenario development and a means to evaluate responses by the emergency preparedness organization.

Omaha Public Power District radiological emergency preparedness exercise objectives for the Fort Calhoun Station are based on Nuclear Regulatory Commission (NRC) requirements provided in 10CFR50.47, "Emergency Plans", and 10CFR50, Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities". Additional guidance provided in NUREG-0654/FEMA-REP-1, Revision 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants", was utilized in developing the objectives.

OBJECTIVES (cont)

Accident Assessment, Classification and Mitigation

1. Demonstrate the ability to identify initiating conditions, determine emergency action levels, and correctly classify the emergency.

<sup>1</sup>NUREG-0654 ref: D.1-2, H.5, I.1

2. Demonstrate the ability to provide technical support for operations in accident assessment and mitigation.

<sup>1</sup>NUREG-0654 ref: B.7.a-b

Notification and Mobilization

3. Demonstrate the ability to alert, notify and mobilize emergency response personnel.

<sup>1</sup>NUREG-0654 ref: A.1.e, B.1,5,7.a, E.2, F.1.e

4. Demonstrate the ability to alert, advise and direct onsite non-essential personnel.

<sup>1</sup>NUREG-0654 ref: J.1,4

5. Demonstrate the ability to notify and update federal, state, and local authorities.

<sup>1</sup>NUREG-0654 ref: A.1.e, B.4,7.c, E.1-4, F.1, J...  
N.2.a

6. Demonstrate the ability to initially staff and activate the Operations Support Center (OSC), Technical Support Center (TSC), and Emergency Operations Facility (EOF).

<sup>1</sup>NUREG-0654 ref: A.1.e, B.5,7, H.4

OBJECTIVES (cont)

Emergency Response

7. Demonstrate the ability to conduct an unannounced, off hours start time Exercise.

<sup>1</sup>NUREG-0654 ref: N.1.b

8. Demonstrate the ability to direct and coordinate emergency responses.

<sup>1</sup>NUREG-0654 ref: A.1.d, B.2-7.a-b

9. Demonstrate the ability to transfer emergency direction from the Control Room (CR), to the appropriate Emergency Response Facility.

<sup>1</sup>NUREG-0654 ref: A.1.d, B.3-5

10. Demonstrate the ability to provide initial and continuous accountability of onsite individuals.

<sup>1</sup>NUREG-0654 ref: J.5

11. Demonstrate the ability to make appropriate offsite protective action recommendations.

<sup>1</sup>NUREG-0654 ref: J.7

12. Demonstrate the ability to notify and provide instructions to the public within the plume exposure pathway (communications only).

<sup>1</sup>NUREG-0654 ref: E.6,7, J.10.c

## OBJECTIVES (cont)

### Emergency Response Facilities

13. Demonstrate the adequacy of procedures, equipment, displays, security provisions, and habitability precautions for the CR, OSC, TSC, and EOF.

<sup>1</sup>NUREG-0654 ref: B.5, G.3, H.1-3,6-9,12, J.6.a-c, 10.a-b

14. Demonstrate the adequacy of communication procedures and equipment for emergency support activities.

<sup>1</sup>NUREG-0654 ref: E.2, F.1.a-f,2,3

### Radiological Assessment and Control

15. Demonstrate the ability to provide onsite contamination controls, including decontamination capabilities and area access controls.

<sup>1</sup>NUREG-0654 ref: K.5,6

16. Demonstrate the ability to continuously monitor and control emergency worker exposures

<sup>1</sup>NUREG-0654 ref: K.1.a-g,2,3.a-b

17. Demonstrate the ability to monitor, assess, and correlate onsite radiological conditions.

<sup>1</sup>NUREG-0654 ref: H.5.b,c,9, I.1-3, N.2.d,e.1

18. Demonstrate the ability to collect, analyze, and evaluate simulated radiological samples and surveys.

<sup>1</sup>NUREG-0654 ref: H.5.b,7, N.2.d,e.1



OBJECTIVES (cont)

Radiological Assessment and Control (cont)

19. Demonstrate the ability to mobilize and deploy field monitoring teams.

<sup>1</sup>NUREG-0654 ref: I.7

20. Demonstrate the ability to collect and report field monitoring team data.

<sup>1</sup>NUREG-0654 ref: H.7,12, I.8-11, N.2.d

21. Demonstrate the ability to determine source terms and dose projections, evaluate dose projections against protective action guides and determine appropriate onsite and offsite protective actions.

<sup>1</sup>NUREG-0654 ref: H.6a, I.3-7,9-10, J.10.m

Medical and Fire

22. Demonstrate the ability to respond to and treat a contaminated injured individual onsite.

<sup>1</sup>NUREG-0654 ref: K.1-5, L.2, N.2.c

23. Demonstrate the ability to respond to an onsite fire.

<sup>1</sup>NUREG-0654 ref: N.2.b

Public Information

24. Demonstrate the ability to coordinate information for release, and pass that information to a Media Release Center (MCR) representative.

<sup>1</sup>NUREG-0654 ref: B.7.d, G.4.a,b

OBJECTIVES (cont)

Scenario

25. Demonstrate the ability to provide an exercise scenario and controller organization that permits testing a major portion of the emergency plan and allows for realism and free play.

NUREG-0654 ref: N.1.a-b

Evaluation

26. Demonstrate the ability to conduct a post-exercise critique to identify areas requiring additional improvement.

NUREG-0654 ref: N,4,5



## OBJECTIVES (cont)

### Footnotes

<sup>1</sup>Reference related emergency planning objectives provided as guidance in NUREG/FEMA-REP-1 Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants" as based on NRC requirements provided in 10CFR50, Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities".

### Elements Not Demonstrated in 1990

- . Alternate severe weather scenario (unless actual severe weather exists, i.e., thunder storms)
- . Demonstrate the ability to make the decision whether to issue emergency workers radioprotective drugs, KI
- . Exceeding emergency worker protective action guidelines (PAGs)
- . Post Accident Sampling System capabilities
- . Offsite fire fighting assistance
- . Backup communication equipment
- . Shift changes
- . Long term recovery/reentry activities
- . Ingestion pathway decision making and calculations
- . Use of offsite laboratory analysis
- . Calculations involving total population exposures
- . The ability to assess core damage
- . Demonstrate the adequacy of procedures, ambulance and hospital facilities for transferring and treating containment injured individuals.
- . Demonstrate the ability to establish and operate a rumor control organization.
- . Demonstrate the ability to provide radiological monitoring and decontamination capabilities for onsite personnel.
- . Demonstrate the ability to make the decision to downgrade the emergency classification and relax protective actions.