



Entergy Operations, Inc.  
P.O. Box 8  
Kilona, LA 70066  
Tel 504 739 6774

**R. F. Burski**  
Director  
Nuclear Safety  
Waterford 3

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July 22, 1993

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Subject: Waterford 3 SES  
Docket No. 50-382  
License No. NPF-38  
Emergency Preparedness Exercise Objectives

Gentlemen:

Attached are the objectives for the Waterford 3 emergency preparedness exercise which is scheduled for October 26 and 27, 1993.

The list of objectives is cross-referenced where applicable to relevant sections of NUREG-0654 and the FEMA exercise objectives from the Exercise Evaluation Methodology Manual.

Should you have any questions concerning these objectives, please contact F.J. Englebracht, Emergency Planning & Administration Manager, at (504) 739-6607.

Very truly yours,

R.F. Burski  
Director  
Nuclear Safety

RFB/GCS/dc  
Attachment

cc: J.L. Milhoan (NRC Region IV), D.L. Wigginton (NRC-NRR),  
D.B. Spitzberg (NRC Region IV), R.B. McGehee,  
N.S. Reynolds, NRC Resident Inspectors Office

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WATERFORD 3 ANNUAL EXERCISE  
OCTOBER 26, 1993

II. OBJECTIVES

As a result of discussions between Waterford 3 staff, the Nuclear Regulatory Commission - Region IV (NRC), the Federal Emergency Management Agency - Region VI (FEMA), the Louisiana Radiation Protection Division (LRPD), the Louisiana Office of Emergency Preparedness (LOEP), St. Charles and St. John the Baptist Parishes, the following general objectives and guidelines have been developed for the 1993 Emergency Preparedness Exercise at Waterford 3 Steam Electric Station, which is scheduled to be conducted on October 26 and 27, 1993.

A. FOR THE ENTERGY (LICENSEE) EMERGENCY RESPONSE ORGANIZATION:

1. Demonstrate proficiency in classifying the emergency condition. (B.2, D.1, D.2, I.1, I.2)
2. Demonstrate the ability to mobilize and activate the Technical Support Center (TSC) emergency response personnel. (B.1-B.5, B.7, E.2, F.1.e, H.1, H.4, N.1.b) (Note 1)
3. Demonstrate the ability to mobilize and activate the Operational Support Center (OSC) emergency response personnel. (B.1-B.5, B.7, E.2, F.1.e, H.1, H.4, N.1.b) (Note 1)
4. Demonstrate the ability to mobilize and activate the Emergency Operations Facility (EOF) emergency response personnel. (B.4, B.5, B.6, B.7, E.2, F.1.e, H.2, H.4, N.1.b) (Note 1)
5. Demonstrate the ability to fully alert, mobilize and activate the Emergency News Center (ENC) emergency response personnel (including the Rumor Control Center). (E.2, F.1.e, G.3, G.4, H.4, N.1.b)
6. Demonstrate the ability to make notifications of emergency classifications and protective action recommendations to offsite agencies within the procedural time limits. (B.2, B.4, E.1-E.4, F.1, F.2, J.7, N.2.a)
7. Demonstrate the ability of the senior facility managers to establish and maintain command and control of their facilities throughout the exercise. (B.1-B.3, B.5)
8. Demonstrate the ability to coordinate repair team activities between the OSC and -4 Control Point. (O.4.e)

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II. OBJECTIVES (CONT'D)

A. FOR THE ENTERGY (LICENSEE) EMERGENCY RESPONSE ORGANIZATION (CONT'D):

9. Demonstrate adequate and effective use of emergency communications equipment and communications procedures and methods necessary to establish and maintain communications with:
  - a. All Waterford 3 emergency response facilities. (E.2, F.1.d)
  - b. Parish, State and Federal agencies. (C.1, E.4, F.1.a, F.1.b, F.1.c, N.2.a)
  - c. Radiological Field Monitoring Teams. (F.1.d, H.5, H.12)
  - d. In-plant emergency teams. (H.9)
  - e. The selected offsite assembly area. (J.1)
  - f. Local and industry emergency support organizations, as required. (E.4, F.1.a, F.2, H.6)
10. Demonstrate the ability to perform onsite and offsite radiological monitoring and assessments. (I.3, I.4, I.7-I.9, H.7, N.2.d)
11. Demonstrate the ability to perform the necessary offsite dose projection calculations to provide advance warning to Parish, State and Federal agencies. (E.3, E.4, H.12, I.3, I.4, I.6, I.8, I.9, I.10, J.7, N.2.d)
12. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations. (H.1, H.2, H.3, H.5, H.6, H.9)
13. Demonstrate coordination of protective action decision making activities with NRC (if NRC participates) and Louisiana Radiation Protection Division in the Emergency Operations Facility. (J.3, J.6, J.7, K.1-K.3, K.5, K.6, N.2.a, N.2.d)
14. Demonstrate the following accident mitigation activities: effective accident analysis and accident mitigation decision making. (I.1, I.2)
15. Demonstrate the ability of the emergency organization to perform re-classification (downgrade) decision-making and to de-escalate emergency response activities as necessary. (D.1, D.2, I.1, I.2)

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II. OBJECTIVES (CONT'D)

A. FOR THE ENTERGY (LICENSEE) EMERGENCY RESPONSE ORGANIZATION (CONT'D):

16. Demonstrate the ability to perform a Protected Area evacuation and offsite assembly by evacuating non-essential personnel in the Protected Area to parking lots and sending a selected group of personnel to an offsite assembly area. (J.1-J.5)
17. Demonstrate the ability to perform accountability in the Protected Area after a site evacuation. (J.5)
18. Demonstrate the ability to perform continuous accountability activities for the onshift, onsite and nearsite emergency organizations. (J.5)
19. Demonstrate adequate security measures at each of the Waterford 3 emergency response facilities. (B.1, B.6, H.1, H.2)
20. Demonstrate the ability of the emergency organization to implement recovery/reentry procedures and discuss actions necessary to implement a recovery organization and develop a plan to return the plant to normal operations. (M.1, M.2, M.3)
21. Demonstrate the ability to conduct a post-exercise critique to determine areas requiring additional improvements. (N.4, N.5)

B. LOUISIANA RADIATION PROTECTION DIVISION

1. Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations. (FEMA OBJECTIVE #1)
2. Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations. (FEMA OBJECTIVE #2)
3. Demonstrate the capability to direct and control emergency operations. (FEMA OBJECTIVE #3)
4. Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field. (FEMA OBJECTIVE #4)
5. Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers. (FEMA OBJECTIVE #5)

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II. OBJECTIVES (CONT'D)

B. LOUISIANA RADIATION PROTECTION DIVISION (CONT'D)

6. Demonstrate the appropriate use of equipment and procedures for determining field radiation measurements. (FEMA OBJECTIVE #6) (Note 14)
7. Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering. (FEMA OBJECTIVE #7)
8. Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as  $10^{-7}$  (.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume. (FEMA OBJECTIVE #8) (Note 15)
9. Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume. (FEMA OBJECTIVE #24) (Notes 14, 17)
10. Demonstrate laboratory operations and procedures for measuring and analyzing samples. (FEMA OBJECTIVE #25) (Note 16)
11. Demonstrate the capability to project dose to the public for the ingestion exposure pathway and to recommend protective actions. (FEMA OBJECTIVE #26)
12. Demonstrate the capability to implement protective actions for the ingestion exposure pathway. (FEMA OBJECTIVE #27)
13. Demonstrate the capability to develop decisions on relocation, re-entry, and return. (FEMA OBJECTIVE #28) (Note 2)
14. Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return. (FEMA OBJECTIVE #29)
15. Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change. (FEMA OBJECTIVE #30) (Note 3)

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II. OBJECTIVES (CONT'D)

C. LOUISIANA OFFICE OF EMERGENCY PREPAREDNESS (STATE EOC)

1. Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations. (FEMA OBJECTIVE #1)
2. Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations. (FEMA OBJECTIVE #2)
3. Demonstrate the capability to direct and control emergency operations. (FEMA OBJECTIVE #3)
4. Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field. (FEMA OBJECTIVE #4)
5. Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public. (FEMA OBJECTIVE #11)
6. Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media. (FEMA OBJECTIVE #12) (Note 4)
7. Demonstrate the capability to implement protective actions for the ingestion exposure pathway. (FEMA OBJECTIVE #27) (Note 5)
8. Demonstrate the capability to develop decisions on relocation, re-entry, and return. (FEMA OBJECTIVE #28) (Note 2)
9. Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return. (FEMA OBJECTIVE #29)

D. ST. CHARLES EOC

1. Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations. (FEMA OBJECTIVE #1)
2. Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations. (FEMA OBJECTIVE #2)

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II. OBJECTIVES (CONT'D)

D. ST. CHARLES EOC (CONT'D)

3. Demonstrate the capability to direct and control emergency operations. (FEMA OBJECTIVE #3)
4. Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field. (FEMA OBJECTIVE #4)
5. Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers. (FEMA OBJECTIVE #5) (Note 6)
6. Demonstrate the capability to make timely and appropriate protective action decisions (PAD). (FEMA OBJECTIVE #9)
7. Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway emergency planning zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials. (FEMA OBJECTIVE #10)
8. Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public. (FEMA OBJECTIVE #11)
9. Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media. (FEMA OBJECTIVE #12) (Note 4)
10. Demonstrate the capability and resources to implement potassium iodide (KI) protective actions for emergency workers, institutionalized individuals, and, if the State plan specifies, the general public. (FEMA OBJECTIVE #14) (Note 7)
11. Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations. (FEMA OBJECTIVE #15) (Note 10)
12. Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway emergency planning zone. (FEMA OBJECTIVE #16) (Note 11)
13. Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas. (FEMA OBJECTIVE #17) (Note 8)
14. Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change. (FEMA OBJECTIVE #30) (Note 3)

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II. OBJECTIVES (CONT'D)

D. ST. CHARLES EOC (CONT'D)

15. Demonstrate the capability to provide offsite support for the evacuation of onsite personnel. (FEMA OBJECTIVE #31)

E. ST. JOHN THE BAPTIST EOC

1. Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations. (FEMA OBJECTIVE #1)
2. Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations. (FEMA OBJECTIVE #2)
3. Demonstrate the capability to direct and control emergency operations. (FEMA OBJECTIVE #3)
4. Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field. (FEMA OBJECTIVE #4)
5. Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers. (FEMA OBJECTIVE #5)
6. Demonstrate the capability to make timely and appropriate protective action decisions (PAD). (FEMA OBJECTIVE #9)
7. Demonstrate the capability to promptly alert and notify the public within the 10 mile plume pathway emergency planning zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials. (FEMA OBJECTIVE #10)
8. Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public. (FEMA OBJECTIVE #11)
9. Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media. (FEMA OBJECTIVE #12) (Note 4)



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II. OBJECTIVES (CONT'D)

E. ST. JOHN THE BAPTIST EOC (CONT'D)

10. Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations. (FEMA OBJECTIVE #15) (Note 12)
11. Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway emergency planning zone. (FEMA OBJECTIVE #16) (Note 11)
12. Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change. (FEMA OBJECTIVE #30) (Note 3)

F. EMERGENCY NEWS CENTER (ENC)

1. Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations. (FEMA OBJECTIVE #1)
2. Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations. (FEMA OBJECTIVE #2)
3. Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field. (FEMA OBJECTIVE #4)
4. Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media. (FEMA OBJECTIVE #12) (Note 13)
5. Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner. (FEMA OBJECTIVE #13)

G. OCHSNER FOUNDATION HOSPITAL

1. Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations. (FEMA OBJECTIVE #1)
2. Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field. (FEMA OBJECTIVE #4)

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II. OBJECTIVES (CONT'D)

G. OCHSNER FOUNDATION HOSPITAL (CONT'D)

3. Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers. (FEMA OBJECTIVE #5)
4. Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or exposed individuals. (FEMA OBJECTIVE #21)

H. ST. CHARLES EMS

1. Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations. (FEMA OBJECTIVE #1)
2. Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field. (FEMA OBJECTIVE #4)
3. Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers. (FEMA OBJECTIVE #3) (Note 9)
4. Demonstrate the adequacy of vehicles, equipment, procedures, and personnel for transporting contaminated, injured, or exposed individuals. (FEMA OBJECTIVE #20)

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OBJECTIVES NOTES

1. Objectives relating to the mobilization and activation of the TSC, OSC and EOF unannounced and during off-hours were satisfied during NRC Inspection 93-008, conducted March 29 through April 2, 1993.
2. State officials will participate in a table-top demonstration of FEMA Objectives #28 and #29. Parish EOC's will not be activated for this demonstration. Specifics relating to this demonstration will be submitted in conjunction with the completed scenario. Risk Parish will be present at the State EOC for the second day of the exercise.
3. The shift change for all applicable locations will occur during the plume exposure pathway phase of the exercise.
4. State and Parish response organizations will demonstrate FEMA Objective #12 at the Emergency News Center during the first day of the exercise.
5. Activities associated with FEMA Objective #27 will be demonstrated for the entire State response organization at the State EOC on the second day of the exercise.
6. FEMA Objective #5, Emergency Worker Exposure Control, was not met for traffic control and bus transportation personnel in St. Charles Parish during the 1991 exercise. FEMA Objective #5 will be redemonstrated for both of these functions to satisfy ARCA 91-3 and 91-5.
7. FEMA Objective #14, KI for Emergency Workers, was not met during the 1991 exercise as it applied to the St. Charles EOC staff. This objective will be redemonstrated for the EOC staff only to satisfy ARCA 91-2.
8. FEMA Objective #17, Traffic and Access Control, was not met by St. Charles Parish in the 1991 exercise. This objective will be redemonstrated as it applies to Sheriff's Department field personnel to satisfy ARCA 91-4.
9. FEMA Objective #5, Emergency Worker Exposure Control, was not met for St. Charles Ambulance personnel during the 1991 exercise. FEMA Objective #5 will be redemonstrated for St. Charles Ambulance personnel in this exercise to satisfy ARCA 91-6.
10. FEMA Objective #15, Implementation of Protective Actions - Special Populations, was not met by St. Charles Parish in the 1991 exercise. This objective will be redemonstrated as it applies to actions with the EOC only.

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OBJECTIVES NOTES (CONT.D)

11. This objective is to be carried out through discussion in the EOC and communications with the School Board staff.
12. This objective is to be carried out through discussion in the EOC and through communications with outside facilities.
13. The Emergency News Center will operate for day one of the exercise only since day two operations are not required by FEMA. Simulated media relations will be conducted at the State EOC on day two of the exercise.
14. Only two field teams will participate on each shift.
15. Only one field monitoring team will demonstrate transfer of sample to sample courier. Courier will take sample to the LRPD Laboratory.
16. Transfer of samples to the LRPD Laboratory will be demonstrated only in the plume phase. In the ingestion phase, samples will be prepared for laboratory procedures. Laboratory procedures will be demonstrated.
17. Post emergency sampling will be conducted out of sequence with the exercise.