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MAY 03 1991

U.S. Nuclear Regulatory Commission
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Gentlemen:

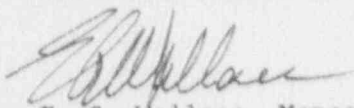
In the Matter of)	Docket Nos.	50-327
Tennessee Valley Authority)		50-328

SEQUOYAH NUCLEAR PLANT (SQN) - GOALS AND OBJECTIVES FOR THE JULY 1991
RADIOLOGICAL EMERGENCY PLAN (REP) EXERCISE

Enclosed are TVA's goals and objectives for the July 1991 SQN REP exercise. These are supplied in accordance with an October 11, 1984, NRC letter asking for utility submittal of REP exercise objectives 75 days before the exercise date. The SQN exercise is currently scheduled for the week of July 22, 1991. If you have any questions, please telephone S. W. Spencer at extension (615) 751-4778.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


E. G. Wallace, Manager
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Enclosure

cc: See page 2

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Enclosure

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SEQUOYAH NUCLEAR PLANT (SQN)
EMERGENCY PLAN EXERCISE

GOALS AND OBJECTIVES

The 1991 SQN EP Exercise will be a small scale exercise requiring full participation by TVA and elective participation by State and Local emergency response agencies. The Joint Information Center (JIC) will not be manned to support CECC operations.

Exercise Goals

TVA's goals for the 1991 SQN exercise are as follows:

1. Allow plant and offsite personnel to demonstrate and test the capabilities of the emergency response organization to protect the health and safety of plant personnel and the general public in accordance with the Nuclear Power - Radiological Emergency Plan (NP-REP), SQN Emergency Plan Implementing Procedures (EPIPs), and CECC EPIPs.
2. Identify significant weaknesses, strengths and areas which may be improved in emergency response capabilities, organization or emergency plans.
3. Provide an interactive exercise to ensure proficiency is maintained in plant and offsite emergency response capabilities.

Exercise Objectives

A. Control Room Objectives

1. Demonstrate the ability of the Shift Operations Supervisor to recognize conditions, classify emergencies, and make required notifications in a timely manner.
2. Demonstrate the Control Room staff's ability to perform initial dose assessments if required.
3. Demonstrate the Control Room staff's ability to formulate, implement, and track initial onsite protective action measures.
4. Demonstrate the ability of the SOS to manage Control Room activities in a manner to prevent interference with the classification, analysis, or mitigation of an accident.
5. Demonstrate the ability of the Control Room staff to organize, dispatch and track response teams as needed until the OSC is functional.
6. Demonstrate the precise and clear transfer of responsibilities from the Control Room staff to the Technical Support Center (TSC) staff.

7. Demonstrate the ability to recognize problems that cannot be quickly resolved by the Control Room staff and their deferral to the TSC for resolution.
8. Demonstrate the ability of the Shift Operations Supervisor to periodically inform the Control Room staff of the status of the emergency situation and of actions currently being planned by the TSC.
9. Demonstrate the ability of the Control Room staff to keep onsite personnel apprised of the emergency status through periodic PA system announcements, prior to activation of the TSC.
10. Demonstrate the ability of the Control Room staff to use proper procedures.
11. Demonstrate the ability of the Control Room staff, through detailed logkeeping, to maintain an accurate chronological account of equipment and plant status including corrective actions taken.
12. Demonstrate the ability of the Control Room staff, through an effective command and control process, to make a timely determination of the cause of an incident and perform mitigating actions to place the unit in a safe and stable condition.
13. Demonstrate the ability to provide an effective flow of information between the Control Room, TSC, OSC, NRC, and CECC.
14. Demonstrate the adequacy of Control Room facilities, resources, and equipment to support emergency operations.
15. Demonstrate the Control Room staff's ability to continuously evaluate available information to redefine/confirm the conditions and event classification.
16. Demonstrate the adequacy of Control Room communication systems to support emergency operations.

B. Technical Support Center (TSC) Objectives

1. Demonstrate the ability to alert and mobilize TSC emergency response personnel and activate the TSC in a timely manner.
2. Demonstrate the Site Emergency Director's (SED) ability to provide effective command and control in the TSC.
3. Demonstrate the ability of the SED to manage TSC activities in a manner to prevent interference with the classification, analysis, or mitigation of an accident.
4. Demonstrate the problem-solving capabilities of the TSC staff in support of the effort to identify the causes of the incident, mitigate the consequences, and place the unit in a safe and stable condition.

5. Demonstrate the TSC's ability to manage corporate resources, radiological effluent/environs monitoring, dose projections, notifications, and protective action recommendations prior to CECC activation.
6. Demonstrate the SED's proficiency in classification of conditions and direction of mitigation activities.
7. Demonstrate the Site Director's (Site Vice President) proficiency in directing site resources to support accident mitigation activities.
8. Demonstrate the TSC's ability to direct RADCON and Security activities in order to formulate, coordinate, implement, and track onsite protective actions.
9. Demonstrate the TSC's ability to perform timely assessments of onsite radiological conditions through surveys and/or installed monitoring equipment.
10. Demonstrate the TSC's ability to maintain an accurate account of equipment status, plant status and corrective actions through detailed chronological logkeeping.
11. Demonstrate the TSC's ability to determine the appropriate sampling and monitoring required to support accident investigation and mitigation.
12. Demonstrate the TSC's ability to maintain effective communications between the Operations Support Center (OSC), Control Room, CECC, and NRC.
13. Demonstrate the TSC's ability to maintain effective communications between the various groups within the TSC.
14. Demonstrate the adequacy of TSC communication systems to support emergency operations.
15. Demonstrate the ability of the SED to perform periodic briefings for TSC/OSC staff and onsite personnel.
16. Demonstrate the ability to assemble onsite personnel within the protected area and provide an accountability report to the SED within thirty minutes of sounding the emergency siren.
17. Demonstrate Security's ability to maintain effective site and control room access controls.
18. Demonstrate the adequacy of TSC facilities, resources, and equipment to support emergency operations.
19. Demonstrate the ability of the TSC staff to use proper procedures.

20. Demonstrate the TSC's ability to dispatch plant environmental monitoring teams as required.
21. Demonstrate the ability of the TSC to continuously evaluate available information to redefine/confirm the conditions and event classification.
22. Demonstrate the precise and clear transfer of responsibilities from the Control Room staff to the Technical Support Center (TSC) staff.
23. Demonstrate the TSC's ability to formulate plans for recovery/re-entry operations.

C. Operations Support Center (OSC) Objectives

1. Demonstrate the ability to alert and mobilize OSC response personnel and activate the OSC in a timely manner.
2. Demonstrate the ability of the OSC staff, through an effective command and control process, to initiate and coordinate activities in a timely manner.
3. Demonstrate the ability of the OSC staff to properly plan required tasks; then, organize, brief, and promptly dispatch response teams.
4. Demonstrate the ability of the OSC response teams to quickly and effectively enter the plant, make necessary repairs, and adequately de-brief upon their return.
5. Demonstrate the adequacy of communications between OSC response teams and the OSC and the OSC's ability to track each team.
6. Demonstrate the effective transfer of information between the OSC, TSC, RADCON laboratory, and Chemistry laboratory including briefings to keep OSC personnel apprised of the emergency status.
7. Demonstrate the adequacy of OSC resources, facilities, and equipment to support emergency operations.
8. Demonstrate the adequacy of OSC logkeeping.
9. Demonstrate the adequacy of RADCON activities and personnel to effectively support accident mitigation efforts while ensuring adequate worker protection.
10. Demonstrate the ability of the OSC staff to use proper procedures.
11. Demonstrate the adequacy of OSC fire protection and/or medical response.

12. Demonstrate the ability of the RADCON staff to perform effective inplant and site boundary surveys during radiological emergencies while using proper procedures and following good RADCON and ALARA practices.
13. Demonstrate the OSC's ability to track changing radiological conditions through survey results and/or in-plant monitors; and incorporate the information into personnel protective actions.
14. Demonstrate the OSC's ability to control internal and external exposures, and personnel contamination of onsite emergency workers including exposure tracking.
15. Demonstrate the timely and efficient activation of the plant environmental monitoring van including establishment of adequate communications.
16. Demonstrate the ability to conduct habitability surveys for the TSC, OSC, and Control Room.
17. Demonstrate the OSC's ability to obtain and analyze postaccident chemistry samples within the required time and dose limits.
18. Demonstrate the OSC's ability to maintain effective communications between the various groups within the OSC.
19. Demonstrate the adequacy of OSC communication systems to support emergency operations.

D. Central Emergency Control Center (CECC) Objectives

1. Demonstrate the Operations Duty Specialist's ability to make initial notification to State agencies in a timely manner.
2. Demonstrate the ability to alert and mobilize CECC emergency response personnel and activate the CECC in a timely manner including alerting federal and industrial contacts.
3. Demonstrate the CECC Director's ability to maintain effective command and control in the CECC, and provide periodic briefings to the CECC staff.
4. Demonstrate the CECC's ability to effectively call upon and utilize TVA corporate or outside support organizations and to obtain vendor or other outside resources as appropriate.
5. Demonstrate the precise and clear transfer of accurate information between the various emergency centers (CECC, TSC, State).
6. Demonstrate the CECC staff's ability to direct and coordinate the deployment of Radiological Monitoring Teams and periodically inform and update RMCC personnel regarding the status of the emergency.

7. Demonstrate the Dose Assessment Team's ability to obtain, analyze, and utilize onsite and/or offsite radiological conditions and meteorological information to develop dose assessments.
8. Demonstrate the CECC's ability to inform, update, and coordinate with State Radiological Health personnel regarding meteorological and dose assessment information.
9. Demonstrate the CECC Plant Assessment Team's ability to analyze current plant conditions, identify projected trends and determine potential consequences.
10. Demonstrate the CECC Director's ability to provide in a timely manner, to the State, periodic updates of onsite status and protective action recommendations.
11. Demonstrate the Core Damage Assessment Team's ability to generate source term information in a timely manner.
12. Demonstrate the ability to establish a timely and effective flow of information between CECC Radiological and Plant Assessment Teams.
13. Demonstrate the ability to establish proper security for the CECC.
14. Demonstrate the adequacy of CECC facilities, resources, and equipment to support emergency operations.
15. Demonstrate the CECC's ability to maintain an effective interface with NRC responders.
16. Demonstrate the adequacy of meteorological data to support dose assessment and PAG recommendations.
17. Demonstrate the CECC's ability to provide governmental liaison, logistics support, and financial interface.
18. Demonstrate the familiarization of CECC personnel with procedures, equipment, and proper methods.
19. Demonstrate the CECC's ability to maintain adequate logs and documentation.
20. Demonstrate the CECC's ability to effectively dispatch, control, and coordinate Radiological Monitoring Teams in conjunction with the State when applicable.
21. Demonstrate the ability of Radiological Monitoring Teams to efficiently and effectively operate and utilize their procedures to perform dose rate surveys, collection and analysis of radiological samples, and other prescribed radiological monitoring activities.

22. Demonstrate Radiological Monitoring Teams' abilities to adhere to contamination control procedures under field conditions.
 23. Demonstrate the CECC's ability to monitor and control the exposure levels of offsite TVA personnel.
 24. Demonstrate the effective transfer of survey information from the field and emergency briefings to the field teams.
 25. Demonstrate the adequacy of the monitoring vans, environmental equipment and supplies, and communications systems.
 26. Demonstrate the CECC's ability to continuously evaluate available information to refine/confirm the conditions and event classification.
 27. Demonstrate the adequacy of the communications link between the CECC and State Emergency Operations Center.
- E. The following drills will be conducted in the course of this exercise:
1. Medical Emergency Drill
 2. Fire Drill
 3. Accountability Drill
 4. Plant Radiological Monitoring Drill (Environs Monitoring)
 5. CECC/State Communications Drill
 6. TSC/CECC Communications Drill
 7. CECC Radiological Dose Assessment Drill
 8. Plant RADCON Drill