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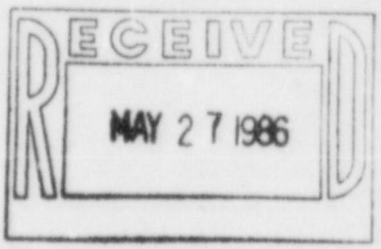
May 22, 1986
Fort St. Vrain
Unit No. 1
P-86379



Regional Administrator
Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

ATTN: Mr. J.E. Gagliardo, Chief
Reactor Projects Branch

Docket No. 50-267

SUBJECT: FOSAVEX-86 SCOPE
AND OBJECTIVES

Dear Mr. Gagliardo:

The scope and objectives for the 1986 Fort St. Vrain Radiological Emergency Response Exercise (FOSAVEX-86), are being submitted in Attachment A to this letter. These are being submitted according to the schedule set forth in G-84049 (Collins to Lee, dated February 9, 1984). Also, according to this schedule, a submittal will be made on or before June 23, 1986, of the detailed scenario and participant packages.

The exercise will include full participation by Public Service Company of Colorado, with partial participation, if any, from State and Local agencies. The exercise date was previously submitted in P-86188, dated March 10, 1986. The exercise is expected to take place off normal work hours.

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Your prompt review of the attached material is greatly appreciated. If you have any questions or comments regarding this material, please contact Mr. Frank Novachek of my staff at (303) 785-6471, extension 201.

Sincerely,

J.W. Gahm by

J.W. Gahm
Manager, Nuclear Production Division

JWG/ojc

Attachment

cc: Larry Yandell, NRC Region IV
Pat Byrnes, DODES (2 copies)
Jeff Everitt, DODES
Lea Ekman, Weld County
Al Hazle, Colorado Department of Health

SCOPE AND OBJECTIVES OF FOSAVEX-86

The scope and objectives of the Fort St. Vrain (FSV) 1986 Emergency Preparedness Exercise Program objectives are based on Nuclear Regulatory Commission (NRC) requirements set forth in 10CFR 50.47, Appendix E. Additional guidance provided in NUREG's 0654 (Rev 1), 0696, and 0737 (Supplement 1) as well as previous FSV exercise results were used in developing the objectives.

The exercise will include the activation of the PSCC Emergency Response Facilities. It will also include full participation by the NRC and partial participation, if any, from State and local support groups. The FSV Early Warning Alert (EWA) System within the five mile planning zone will not be activated in association with the exercise due to the time of day. However, provisions will be made to demonstrate the EWA System during normal business hours prior to, or following, the actual exercise. The exact time and date of EWA System activation will be coordinated with FEMA, Region XIII.

The overall objective of the 1986 exercise is to evaluate the effectiveness and capabilities of the FSV Emergency Preparedness Organization. The exercise scenario is structured to provide a mechanism which will accurately test the adequacy of both the onsite and offsite elements of the emergency Preparedness Program.

The specific PSCC FOSAVEX-86 objectives are listed below.

ACCIDENT ASSESSMENT

1. Demonstrate proficiency in recognizing and classifying emergency conditions according to pre-established emergency action levels.

2. Demonstrate the ability to perform dose calculations using radiological and meteorological information to establish the impact to the environment.

3. Demonstrate the effectiveness of the radiological monitoring teams (onsite and offsite) to establish radiation levels and to effectively track the plume.

4. Demonstrate the ability to establish the extent of core damage following the accident.

5. Demonstrate the ability to plan Recovery Operations, and identify the need for additional resources.

ACTIVATION OF EMERGENCY FACILITIES

1. Demonstrate the ability of station and corporate personnel to activate and staff the emergency response facilities during off - hours.

2. Demonstrate the transition of responsibilities between emergency facilities as a result of escalating accident classifications.

3. Demonstrate the functional capabilities of equipment (including status boards, radiation monitoring equipment etc.) in the Technical Support Center, Forward Command Post and the Executive Command Post.

4. Demonstrate the ability of the onsite response organization to properly select the correct location for the Personnel Control Center (Training Center vs. Nuclear Licensing - Operations Complex).

NOTIFICATION AND COMMUNICATION

1. Demonstrate the effective notification of plant, corporate, Federal, State and local emergency response personnel; effective notification also includes notifying persons living on FSV plant property.

2. Demonstrate that all initial notifications (and follow-up) are verified and logged.

3. Demonstrate the effectiveness and reliability of the emergency communications equipment.

4. Demonstrate the ability to communicate with in-plant monitoring teams, search and rescue parties, and other station personnel as needed.

5. Demonstrate the ability to communicate with the offsite radiological monitoring teams.

6. Demonstrate the capability to obtain, coordinate and assemble emergency information for timely dissemination to the public via the media.

7. Demonstrate the ability of PSCC to respond directly to simulated input from the public concerning "real" vs. "rumored" events.

ORGANIZATIONAL CONTROL

1. Demonstrate the capability to technically evaluate the accident conditions and implement appropriate response procedures.

2. Demonstrate the ability of the Control Room Director, TSC Director, PCC Director, Corporate Emergency Director and the Director-Executive Command Post to manage the emergency organization in accordance with the FSV Emergency Plan and Implementing Procedures.

3. Demonstrate the abilities of the FSV response organizations to coordinate decision making actions with NRC/State/Local representatives in the TSC and FCP.

4. Demonstrate the ability to coordinate activities with NRC/State/Local agencies in de-escalating and terminating the emergency.

5. Demonstrate the ability of FSV supervisory personnel to properly brief Search and Rescue, Fire Brigade, Repair Team and other response personnel of the emergency situation.

6. Demonstrate the ability to coordinate activities with offsite agencies regarding re-entry planning.

7. Demonstrate the ability to plan Recovery Operations.

8. Demonstrate the ability to coordinate activities with FSV outside support groups in responding to the emergency and recovery planning.

9. Demonstrate the ability of the PSCC response organization to follow established procedures.

HEALTH PHYSICS/SECURITY

1. Demonstrate the ability to perform site assembly, maintain accountability and evacuate the site, as appropriate.

2. Demonstrate the ability to provide adequate radiation protection services such as dosimetry, personnel monitoring, and habitability determinations.

3. Demonstrate the ability to perform area surveys under emergency conditions.

4. Demonstrate the ability to monitor and control emergency worker exposure within the plant.

5. Demonstrate the ability to enter a highly contaminated area for the purpose of rescuing casualties.

6. Demonstrate the ability to provide first aid for an injured individual who has been contaminated.

7. Demonstrate the ability to decontaminate personnel and equipment.

8. Demonstrate the ability to perform post-accident sampling and analysis of in plant airborne radioactivity and sizeable contamination levels.

9. Demonstrate the capability of offsite radiological monitoring teams to collect samples.

10. Demonstrate the ability to maintain plant security under emergency conditions.

11. Demonstrate the ability to provide emergency access to offsite support personnel.

PROTECTIVE ACTIONS

1. Demonstrate knowledge of the Protective Action Guides (PAG's).

2. Demonstrate the ability to make protective action recommendations to offsite authorities.

3. Demonstrate ability to recognize that appropriate protective actions have been implemented by the offsite agencies.

RECOVERY

1. Demonstrate the ability to establish a Recovery Organization.

2. Demonstrate the ability to develop preliminary recovery plans.

3. Demonstrate the ability to coordinate recovery operations with outside support groups.

NUCLEAR REGULATORY COMMISSION OBJECTIVES

In accordance with Regional Office Notice No. 0809 (March 11, 1986), NRC Region IV Objectives for FOSAVEX-86 are:

1. Test licensee counterpart interface procedures for reactor safety and systems analysis from the control room and the Technical Support Center.

2. Evaluate licensee's capability to perform emergency response functions and to maintain coordination with the NRC site team.

3. Test interface procedures between the licensee and NRC analysis groups for reactor safety and protective measures, public affairs and government liaison, and emergency management decision making.

4. Evaluate site team communications link with base team management for update of plant status and offsite impacts.