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SUBJECT: Forwards proposed final objectives & limitations for 1993
NRC graded exercise, scheduled for 930223. Objectives &
limitations constitute compendium from various participating
agencies, including util, state & county agencies & DOE.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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December 1, 1992
GO2-92- 260

Docket No. 50-397

Mr. Robert Pate
U.S. Nuclear Regulatory Commission, Region V
1460 Maria Lane
Walnut Creek, CA 94596-5368

Dear Mr. Pate

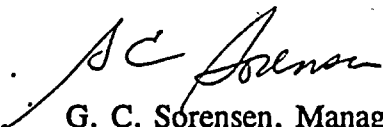
Subject: 1993 EXERCISE OBJECTIVES AND LIMITATIONS

Attached please find a copy of the proposed Final Objectives and Limitations for the Supply System's 1993 NRC graded Exercise scheduled for February 23.

The Objectives and Limitations are a compendium from various participating agencies, including the Supply System, State & County agencies and the US-DOE. We request that you review and provide comments to Supply System Emergency Preparedness by about mid January.

Should you have any questions, please contact RL Utter at (509) 377-8330.

Very truly yours,


G. C. Sorensen, Manager
Regulatory Programs

GCS/RLU/tj

Enclosure: 1993 Exercise Objectives

cc: RM Bennett, ODE	AS Dixon, Franklin County	RW Donovan, FEMA
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OBJECTIVES & LIMITATIONS EXERCISE '93

A. SCOPE

The primary purpose of this Exercise, scheduled for February 23, 1993 is to demonstrate effective management of the emergency and plant reentry operations with efficient coordination and communications between the activated Supply System emergency centers; Control Room (simulator), Operations Support Center (OSC), Technical Support Center (TSC), the Emergency Operations Facility (EOF) and the Joint Information Center (JIC). The exercise will be characterized by required response to an emergency situation that will involve classification, notification, center activation, team deployment, accident prognosis and mitigation.

Two other major purposes of this Exercise are to conduct an "off-hours" exercise as required to be demonstrated once every six years by NuReg-0654, and to conduct a shift change of the Supply System Emergency Response Organization.

Timely and proper response by the players will contribute to mitigation of the simulated accident consequences. Participation by EOF & JIC liaison personnel, as well as offsite agencies to include Benton/Franklin Counties, Washington State Division of Emergency Management (DEM) and Department of Health (DOH), the Oregon State Department of Energy and US-DOE will occur.

B. OBJECTIVES AND LIMITATIONS

The Objectives and Limitations are divided into two major sections. The first section describes the General Objectives and Limitations which are applicable to the Supply System and the various offsite agencies. The second section, titled 'Facility Specific Objectives' reflects NRC standardized objectives which are applicable to specific emergency response facilities at WNP-2.

OBJECTIVES & LIMITATIONS

EXERCISE '93

GENERAL OBJECTIVES

SUPPLY SYSTEM General Objectives and Limitations

- 1) To demonstrate the ability of the Emergency Response Organization to respond to an "off-hours" emergency situation and to conduct a shift change of the Supply System emergency response personnel (*this is a NuReg 0654 six-year objective*).
- 2) To provide Supply System personnel with the opportunity to participate interactively with the State and County Offsite Response Organizations as well as with US-DOE RL Hanford Site operations.
- 3) To provide Supply System personnel with the opportunity to practice Casualty Control methodology for the prompt mitigation of the consequences of a postulated accident and/or radiological release.
- 4) To demonstrate the use by Supply System personnel of plant parameter type Emergency Action Levels (EAL's).

Limitations

- 1) The Primary Access Point and Alternate Access Point will remain functional for routine plant operations; Actual security is not to be jeopardized.
- 2) SCBA's may be worn by bearded personnel. SCBA's need only be utilized throughout the first deployment of each emergency worker if proficiency is demonstrated. In the interest of safety, SCBA's may be removed from anyone stressed by its use.
- 3) Operations and certain Security personnel playing in the Exercise will be individuals specifically predesignated as participants.
- 4) The Control Room will be exempted from Exercise play; the CR Simulator will serve in its stead. Not all CR functions are simulated in the CR Simulator. The main exceptions are listed, but not limited to the following:
 - No Secondary Alarm Station
 - No functional ENS to the NRC
 - Access is not limited
 - Select Balance-of-Plant equipment is not simulated
 - Certain divisional equipment is simulated for one, but not both divisions
- 5) No Protected Area or Owner Controlled Area Evacuation will be demonstrated during this Exercise.

OBJECTIVES & LIMITATIONS EXERCISE '93

- 6) No relocation of major emergency center or use of alternate emergency center will be demonstrated during this Exercise.
- 7) First and second shift players will be pre-designated.
- 8) Shift change will not be demonstrated by the Simulator staff.

WASHINGTON STATE General Objectives and Limitations

No general objectives or limitations have been identified for Washington State.

OREGON STATE General Objectives and Limitations ¹

- 1) Test new and established methods for exchange of information between Oregon and other emergency response organizations as appropriate.
- 2) Test methods for exchange of information among Oregon emergency responders as appropriate.

BENTON/FRANKLIN COUNTY General Objectives and Limitations

No general objectives have been identified for Benton/Franklin Counties.

US-DOE (RL) General Objectives and Limitations

- 1) Provide RL support to the WNP-2 Emergency Operations Facility and the MUDAC.
- 2) Communicate between RL responders at the EOF/MUDAC and the RL ECC.
- 3) Activate a Hanford Radiological Field Team in accordance with a Memorandum Of Understanding (MOU) between the US Department of Energy Richland Field Office and the Washington Public Power Supply System.
- 4) Provide support from the Hanford Patrol to the Supply System in accordance with established MOU(s), should the scenario so require.
- 5) Provide RL/contractor support to the Supply System Joint Information Center.

¹

The objectives for Oregon State contained within this document are for training and scenario development purposes only.

OBJECTIVES & LIMITATIONS

EXERCISE '93

Limitations

- 1) RL/RL Contractor involvement in this exercise will be limited to those resources identified in the RL Exercise Scope statement (*not a part of this document*).
- 2) Hanford Site safety or security shall not be degraded for the sake of this exercise. All safety and security requirements and procedures shall be complied with during the exercise. This shall include proper entry and exit out of radiologically controlled areas.
- 3) The Patrol Operations Center (POC) business number, 373-3800, shall be used in lieu of 811. When using this number in lieu of 811, the caller must identify the communication as an exercise message.

OBJECTIVES & LIMITATIONS EXERCISE '93

FACILITY SPECIFIC OBJECTIVES

CONTROL ROOM

1. Demonstrate the ability for the Shift Manager and the control room operators to recognize abnormal events, determine plant conditions and bring the plant into a safe shutdown mode.
2. Demonstrate the ability of the control room operators to correctly implement the immediate actions of the Emergency Plan Implementing Procedures.
3. Demonstrate the ability of the control room operators to classify the emergency using the Emergency Action Levels (EALs) and determine the necessary onsite and offsite protective actions.
4. For a Site Area or General Emergency, demonstrate the ability of the control room to evacuate nonessential personnel and initiate protective actions for all personnel remaining on site.

Limitation: No Protected Area or Exclusion Area evacuation will be demonstrated during this Exercise.

5. Demonstrate the ability of the control room to promptly notify onsite personnel of emergency events, conditions or actions.
6. Demonstrate the ability of the control room to promptly notify offsite officials of emergency events, conditions or actions.
7. Demonstrate the ability to make Secondary Alarm Station (SAS) and NRC notifications in a timely manner.
8. Demonstrate the timely and systematic transfer of the Plant Emergency Director (PED) duties.

TECHNICAL SUPPORT CENTER (TSC)

1. For Alerts, Site Area and General Emergencies, demonstrate that the TSC can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency.
2. Demonstrate the ability of the TSC to assess plant conditions and determine the proper emergency classification.

OBJECTIVES & LIMITATIONS EXERCISE '93

3. Demonstrate the ability of the TSC to assess and direct actions to mitigate the consequences of an emergency.
4. Demonstrate the ability of the TSC to determine the necessary protective actions for onsite and offsite personnel.
5. Demonstrate the ability of the TSC to promptly notify onsite personnel of emergency events, classifications and actions.
6. Demonstrate the ability to conduct and maintain personnel accountability.
7. Demonstrate the ability of the TSC Director to communicate with onsite and offsite emergency response personnel when making decisions and implement corrective actions in an effective and timely manner.
8. Demonstrate the ability of the TSC to communicate technical information to the Control Room, OSC, EOF and NRC.

Limitation: A control cell will be used to simulate the NRC in the event the NRC Operations Center declines to participate after the initial notification.

9. Demonstrate the capability of the Duty Plant Emergency Director to make timely and effective decisions and demonstrate command and control of the TSC and onsite response effort.

OPERATIONS SUPPORT CENTER (OSC)

1. Demonstrate the ability to quickly staff and activate the Operations Support Center (OSC) and establish necessary communications.
2. Demonstrate the ability to maintain appropriate radiological controls in the Protected Area, throughout the course of the event.
3. Demonstrate the ability of the OSC to effectively communicate with the EOF, TSC and repair teams, adequately brief, track and debrief teams dispatched from the OSC.
4. Demonstrate the ability to respond to and analyze simulated elevated airborne and direct radiation measurements in the Protected Area environment.
5. Demonstrate the ability to provide respiratory protection and contamination control in the Protected Area.

Limitation: Use of SCBAs will be limited to one-time full use and bottle changeout.

OBJECTIVES & LIMITATIONS EXERCISE '93

6. Demonstrate the ability to monitor OSC habitability.

Limitation: Relocation of the OSC will not be demonstrated.

7. Demonstrate the ability to promptly initiate search-and-rescue operation for missing personnel, as necessary, and all onsite personnel are continuously accounted for during the emergency response.
8. Demonstrate the ability of the OSC Director to command and coordinate OSC activities with the CR and TSC.
9. Demonstrate the ability to communicate technical information to the TSC and CR.
10. Demonstrate the ability to implement emergency exposure guidelines for onsite emergency workers.

EMERGENCY OPERATIONS FACILITY (EOF)

1. For Site Area and General Emergencies, demonstrate that the Emergency Operations Facility (EOF) can be activated and prepared to perform required functions within about 1 hour after declaration of the emergency.
2. Demonstrate the ability of the EOF to deploy environmental sampling teams to appropriate locations, promptly and correctly project direction and maximum dose within the plume EPZ and the distance to which EPA PAGs are projected to be exceeded and perform dose assessment if a release is in progress.
3. Upon activation, demonstrate the ability of the EOF to make offsite protective action recommendations and transmit these to offsite agencies.
4. Demonstrate the ability of the EOF to set up and maintain a communications channel to offsite authorities, including NRC and keep them informed of emergency conditions.
5. Demonstrate the ability to periodically assess the habitability of the EOF.
6. Demonstrate the ability to brief offsite representatives at the EOF and keep them informed of emergency conditions.
7. Demonstrate the ability of the EOF to communicate effectively with corporate headquarters and other emergency response personnel and centers and to obtain outside resources in a timely manner, when requested.
8. Demonstrate the ability to dispatch offsite monitoring teams in a timely manner and the teams to implement their functions in a timely manner.

OBJECTIVES & LIMITATIONS EXERCISE '93

9. Demonstrate proficiency of offsite monitoring teams to use protective measures equipment, locate sampling and monitoring locations, collect, bag and label samples and other duties as required to effectively perform their function.
10. Demonstrate the timely and systematic transfer of Recovery Manager duties.
11. Demonstrate the ability of the Recovery Manager to make timely and effective decisions and demonstrate command and control of the EOF functions and overall response effort.

JOINT INFORMATION CENTER (JIC)

1. Demonstrate the ability of the Joint Information Center (JIC) to properly coordinate news releases with the NRC and other offsite agencies and disseminate information to the media/press in an accurate and timely manner.
2. Demonstrate the ability of the JIC to maintain adequate communications for use by the news media.

