

Washington Public Power Supply System

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REGION V

Docket No. 50-397

Mr. John B. Martin
Regional Administrator
U. S. Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Dear Mr. Martin:

SUBJECT: WNP-2 ANNUAL EMERGENCY EXERCISE 1987

The enclosed document, "WNP-2 Annual Emergency Exercise 1987" objectives and limitations is provided as the first (75-day) submittal to our annual exercise program. The remaining (45-day) submittal will contain a detailed description of the exercise scenario and anticipated actions.

Should you have any questions, please contact Mr. R. A. Chitwood, Manager of Emergency Planning and Environmental Programs at (509) 377-8466.

Very truly yours,

for *R. B. Glasscock*
G. C. Sorensen, Manager
Regulatory Programs

GCS/AFK/vlc

Enclosure

cc: R. W. Donovan - FEMA
N. S. Reynolds - Bishop, Libbyman, Cook, Purcell & Reynolds
R. B. Samworth - NRR

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NRR/EPB

Federal regulations require the conduct of an emergency exercise of the WNP-2 Emergency Preparedness Plan on an annual basis, and the inclusion of the State of Washington and Benton and Franklin Counties in this activity at least biennially. These exercises are designed to demonstrate the capabilities of the Supply System and supporting agencies to adequately respond to serious emergencies at WNP-2 and thereby protect the health and safety of the public and emergency workers.

The Supply System, counties, State and DOE-RL have been working together since the mid-1970's to develop a coordinated emergency response capability to a WNP-2 emergency. The first annual emergency exercise on June 1, 1983 illustrated the excellent ground work that had been laid, and subsequent exercises have further honed this readiness development process.

Exercise 87 will be conducted on September 2, 1987, on an announced basis. Several scheduled and announced drills will be conducted prior to the exercise to ensure continued adequacy of the implementing procedures, and to provide valuable training experience for emergency organization personnel. The evaluation of Exercise 87 by the Nuclear Regulatory Commission and Federal Emergency Management Agency will determine whether WNP-2 be allowed to maintain its operating license. As always, cooperation of the participating organizations is solicited, and all participants are enjoined to treat the situations seriously, and to perform their functions as if a real emergency existed, taking those actions necessary for the re-establishment of safe conditions at the plant, and for the assurance of the health and safety of the public.

Exercise 87 will involve a hypothetical accident sufficiently serious to require protective action decisions for the public. This will involve simulated messages for broadcast over the Emergency Broadcast System and decisions affecting the general public. The County Emergency Operations Center in Kennewick will be activated and will function as a joint operation center for the counties of Benton and Franklin. The State Emergency Operations Center in Olympia will be activated as a Control Cell however State representatives and environmental field teams will respond to Richland and Hanford to participate. The Supply System will activate all of its emergency centers, to include the in-plant Technical Support Center and Operations Support Center as well as the Control Room (simulator), the Emergency Operations Facility and the Joint Information Center. Several hundred persons from all agencies will be involved in this exercise. To provide for WNP-2 to go from normal operations to a severe emergency classification, and then to a situation in which the emergency is under control and stable in one day, requires the events to be very fast-paced and, in some cases, unrealistic. This should not discourage the participants. The purpose of this exercise is to evaluate the decision-making capabilities and the cooperation exhibited by all agencies. In some cases, data may be incomplete. Decisions are to be made on the best data available at the time.

Upon completion of Exercise 87, formal critiques will be developed by the participating organizations. A joint participating organization written critique, incorporating all internal and external observations, will be prepared by the Supply System and the participating organization controller/evaluator group.

Responsibilities for taking corrective actions, where required, will be assigned for each critique item. The Supply System will track the status on each item until all are closed out.

OBJECTIVES AND LIMITATIONS
WNP-2 ANNUAL EMERGENCY EXERCISE 1987

A. OBJECTIVES

1. Supply System

a. General

- (1) Demonstrate the ability to activate the essential emergency organization in a timely manner and effectively staff all Supply System emergency response centers (Control Room, Operational Support Center, Technical Support Center, Emergency Operations Facility and the Joint Information Center).
- (2) Demonstrate timely and accurate exchange of information between organizations, different locations and dispatched teams, correctly utilizing formatted messages where appropriate. (Exercise 1986 observation.)
- (3) Demonstrate the use of procedures and checklists to assure all necessary functions are performed. (Exercise 1986 observation.)
- (4) Demonstrate proper use and update of all display charts and maps. (Exercise 1986 observation.)
- (5) Demonstrate proper functioning of the Crash telephone system. (Exercise 1986 observation.)
- (6) Demonstrate correct operation of the Plant/EOF Information Coordination Network. (Exercise 1986 observation.)
- (7) Demonstrate that those drawings and technical materials used are current. (Exercise 1986 observation.)

- (8) Demonstrate that emergency organization duty personnel respond properly to emergency notifications. (Exercise 1986 observation.)

b. Control Room (Simulator) and Technical Support Center

- (1) Demonstrate the ability to assess the incident conditions; to determine which emergency action levels have been reached; and to classify the incident correctly in accordance with the Emergency Plan Implementing Procedures.
- (2) Demonstrate the ability to notify the EOF Communications Center and NRC in a correct and timely manner.
- (3) Demonstrate the ability to correctly conduct technical evaluations of the incident conditions and to implement appropriate corrective actions to mitigate the consequences.
- (4) Demonstrate adequate PA system emergency announcement coverage of the plant emergency centers. (Exercise 1986 observation.)

c. Operations Support Center

- (1) Demonstrate the ability to correctly perform personnel accountability and personnel search of the protected area for a potentially missing individual.
- (2) Demonstrate the ability to provide basic first aid to a contaminated and injured personnel.
- (3) Demonstrate the ability to make proper decisions regarding re-entry.

f. Joint Information Center

- (1) Demonstrate the ability to efficiently coordinate news release information with DOE, State, and County agencies throughout the incident.
- (2) Demonstrate the ability to produce accurate, coordinated and timely news releases.
- (3) Demonstrate the ability to respond effectively to telephonic queries from the media and the public.
- (4) Demonstrate the ability to monitor media sources for misinformation.
- (5) Demonstrate the ability to detect and properly act upon rumors.
- (6) Demonstrate the presence of effective security at the JIC. (Exercise 1986 observation.)

g. Supply System Liaisons

Demonstrate proper utilization of logs and forms. (Exercise 1986 observation.)

2. Washington State

- a. Demonstrate the correct process for taking an environmental air sample. (Exercise 1986 observation.)
- b. Demonstrate assumption of responsibilities by the State JIC team upon arrival at the JIC. (Exercise 1986 observation.)

- c. Demonstrate effective gathering of public information, and the effective and timely preparation of news releases by the JIC Team. (Exercise 1986 observation.)

3. Benton/Franklin Counties:

- a. Demonstrate ability to make protective action decisions for the public based on information provided by the Supply System and the State.
- b. Demonstrate ability to coordinate emergency worker entry response into effected areas with a Health Officer, while keeping their exposures as low as reasonably achievable.
- c. Demonstrate ability to effectively coordinate resources to hasten the notification verification process.
- d. Demonstrate ability to compile information from the EOC and communicate this information to the JIC.
- e. Demonstrate exchange of information between the Decision and Implementation groups.
- f. Demonstrate possession and use of resources necessary to deal with evacuation impediments, such as inclement weather or traffic obstructions.

4. Joint Supply System, DOE-RL, Washington State and Benton/Franklin Counties:

- a. Demonstrate the timely sharing of information on the status of the emergency.
- b. Demonstrate the effective coordination of response activities, both within and between emergency centers and with field teams.

- c. Demonstrate proper and effective liaison/communications from the EOF and JIC to the respective agency EOC/ECC. (Exercise 1986 observation.)
 - d. Demonstrate proper and effective control and coordination in the conduct of simulated river evacuation. (Exercise 1986 observation.)
 - e. Demonstrate the effective and timely pursuit of information from all available sources for development of news releases and media briefings. (Exercise 1986 observation.)
 - f. Demonstrate the ability to compile information at the JIC from the State and County EOC's and produce accurate press releases.
5. Joint Supply System, DOE-RL and Washington State:
- a. Demonstrate the ability of the Emergency Operations Facility (MUDAC) to perform correct assessments of the radiological conditions and disseminate appropriate PARs.
 - b. Demonstrate the MUDAC staff's ability to perform dose assessment and projections and to trend this information.
6. Joint Supply System, DOE-RL:
- Demonstrate the proper control, coordination and information flow for a simulated dispatched DOE-RL contractor field team. (Exercise 1986 observation.)

B. LIMITATIONS

- 1. Routine plant operations will be continued during the exercise. Plant operations are not to be jeopardized.
- 2. Exclusion area evacuee role players will be assigned from WNP-1. The river sirens and the Wye siren will not be sounded.

3. The State environmental field teams, JIC, EOF and County EOC respondents will be repositioned in Richland and begin participation after a delay of one hour following the emergency classification which activates their responses.
4. Implementation of designated roadblocks offsite and WNP-2 site access restrictions will be established for a limited time and discontinued after evaluation has been completed.
5. Implementation of offsite protective actions will be simulated.
6. For purposes of this exercise Protective Action Recommendations and Protective Action Decision will not extend beyond the 10 mile EPZ.
7. Any required actual emergency situation response by participants will take precedence.
8. Offsite re-entry monitoring or protective action decision making concerning re-entry will not be performed nor simulated.
9. Emergency Control Room operations will be portrayed at the simulator in the Plant Support Facility.
10. Only designated players are to be affected by the scenario.
11. Radioactive material is not to be utilized to "spike" any sample nor for contamination props.
12. Physical manipulation of plant operational systems will be simulated.
13. Actual security is not to be jeopardized.
14. PASS sampling will not be demonstrated; however, it may be simulated.
15. Mutual aid response by other utilities will not be demonstrated nor simulated.

16. Keycards and dosimetry at the PAP and AAP will remain in place; a transfer of these items may be simulated.
17. A shift change need not be demonstrated.
18. Transportation offsite to a medical facility may be simulated.
19. The JIC may be partially pre-staged with respect to phone equipment setup only.
20. The Alternate Access Point will not be effected by this scenario.
21. OSC will not be relocated as part of this exercise.
22. The Washington State EOC will be set up as a Control Cell which will interact with the EOF and County EOC.
23. The reading and broadcast of the Spanish EBS message will be simulated.
24. County field personnel will be simulated by the control cell.
25. County EOC will be set-up in advance.
26. In-plant workers will dress-out however SCBA bottles will not be changed.
27. Field team members will not don protective clothing in the field.
28. Route alerting of the ORV park and evacuation of the Columbia River will be simulated.

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