Washington Public Power Supply System
P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

June 5, 1985
Docket No. 50-397
G02-85-294

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 1985

The enclosed document, "WNP-2 Annual Emergency Exercise 1985" 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,

GC Sorensen

G. C. Sorensen, Manager
Regulatory Programs

GCS/AFK/jh

Enclosure: As stated.

cc: R. Donovan (FEMA) w/a
N. S. Reynolds - Bishop, Liberman, Cook, Purcell & Reynolds
J. R. Bradfute - NRC Region V

IE-35

WNP-2 EMERGENCY PREPAREDNESS EXERCISE

1985

Exercise Director: Don Bouchey

Deputy Exercise Director:

Exercise Date: September 1985

NOTE

PARTS II AND III ARE CONTROLLED DISTRIBUTION.

INTRODUCTION TO EXERCISE
EXERCISE 85

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. Those jurisdictions have opted to participate an an annual basis, as has the Department of Energy - Richland Operations due to the unique siting of WNP-2 on the Hanford Reservation. These exercises are designed to test the capabilities of the Supply System and supporting agencies to respond to a serious reactor accident at WNP-2.

The Supply System, counties, State and DOE-RL have been working together since the mid-1970 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 the subsequent exercise on May 17, 1984, further honed this readiness development process.

Exercise 85 will be conducted during the week of September 9, 1985, on an unannounced basis in order to illustrate that the emergency organization can be effectively activated as it would for an actual emergency. The exercise will also be initiated at such a time as to require a shift change of a portion of the Supply System on-site emergency organization.

Several scheduled 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 85 by the Nuclear Regulatory Commission and Federal Emergency Management Agency will identify potential areas for improvement in the WNP-2 Emergency Plan. Because of this, 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 85 will involve a serious accident sufficient to require decisions for protective measures of the public. This will involve simulated messages for broadcast over the Emergency Broadcast System and decisions to shelter or evacuate the public in the affected areas. The County Emergency Operations Center in Kennewick will be activated and will function as a joint operation center for Benton and Franklin counties. The State Emergency Operations Center in Olympia will not be activated, but State representatives and environmental field teams will. The Supply System response will activate all emergency centers, including the in-plant Technical Support Center and Operations Support Center as well as the Control Room, 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 in the early morning, to a severe reactor accident, and then to a situation in which the reactor 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 85, formal critiques will be developed by the evaluating agencies, as well as by the participating organizations. A joint agency written critique, incorporating all internal and external observations, will be prepared by the Supply System and participating agency controller/ evaluator group. Responsibilities for taking corrective actions will be assigned in this critique, and the Supply System will track the status on each item until all are closed out.

OBJECTIVES AND LIMITATIONS

EXERCISE 85

A. OBJECTIVES

1. Supply System

a. Demonstrate the ability of the Control Room staff to:

(1) Properly assess and classify the transient.

(2) Take corrective measures to control the transient.

(3) Activate the emergency organization.

(4) Efficiently transfer emergency response functions to an on-coming shift.

b. Demonstrate the ability of the OSC staff to:

(1) Exercise proper control of emergency teams, including the implementation of correct health physics measures.

(2) Staff emergency teams with fully qualified personnel.

(3) Make proper decisions regarding reentry.

c. Demonstrate the ability of the TSC staff to:

(1) Assume responsibilities from the Control Room upon activation.

(2) Transfer functions to the EOF when that facility is staffed and ready to assume control.

(3) Analyze plant system operations problems and determine alternate actions.

d. Demonstrate the capabilities of the OSC and EOF staffs to correctly conduct a controlled evacuation of the Protected Area, including proper personnel accountability.

e. Demonstrate the ability of the JIC staff to:

(1) Respond to telephonic queries from the media or public at any time after activation.

(2) Monitor media sources, detect and act upon rumors.

2. Benton and Franklin Counties:

Demonstrate the ability to effectively make and implement protective action decisions for members of the public, based on information provided by the Supply System and the State.

3. Supply System, DOE-RL and Washington State:

a. Demonstrate the ability of the EOF staff to properly develop protective action recommendations based on integration of field, plant and dose projection data.

b. Demonstrate the ability of the MUDAC staff to:

(1) Effectively manage, control and inform field and aerial monitoring teams.

(2) Correctly compare dose and field projection data, noting any trends and properly document this activity.

c. Demonstrate the abilities of the environmental field and aerial monitoring teams to:

(1) Deploy with all required equipment.

(2) Correctly measure ambient radiation levels and take required air samples.

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

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

b. Demonstrate the configuration of emergency centers for efficient operations.

c. Demonstrate the ability to properly document the emergency conditions and agency response activities.

d. Demonstrate timely activation of the emergency centers and personnel on an unannounced basis.

e. Demonstrate effective coordination by the EOF staff of emergency response activities of the various law enforcement agencies.

f. Demonstrate the ability of the JIC staff to prepare timely and coordinated news releases.

B. LIMITATIONS

1. Routine plant operations will be continued during the exercise.

2. Plant Protected Area evacuation will be simulated by a few role-players.

3. State environmental field teams, JIC, EOF and County EOC respondents will be prepositioned in Richland and begin participation after a time delay of one hour after delcaration of the emergency classification which activates their responses.

4. Implementation of site access restrictions will be simulated. Area evacuations or other protective actions will be required only of designated players.

5. Actual implementation of offsite notifications and protective actions will be simulated.

6. Simulated airborne release will equal or exceed PAG's beyond 5 miles.

7. Any required actual emergency situation response by participants will take precedence.

8. No reentry monitoring or protective action decision making concerning reentry will be performed or simulated.

9. The State EOC will not be activated. Portrayal of its activities will be limited to a control cell.

10. Emergency Control Room Operations may be portrayed at the simulator in the Plant Support Facility.

C. PARTICIPATING ORGANIZATIONS

1. Supply System - Two shifts for the Control Room and one shift for all other emergency centers and teams.

2. Department of Energy - Richland Operations and appropriate contractors - Partial ECC staff, one shift for the EOF/MUDAC and JIC and one field team.

3. Washington State - One shift for EFSEC, DSHS and DEM positions at the EOF/MUDAC, JIC and County EOC, and three field/aerial teams.

4. Benton and Franklin Counties - One shift for the County EOC staff, and for County positions at the EOF and JIC.