

# CATEGORY 2

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SUBJECT: Forwards objectives & limitations for WNP-2 exercise to be conducted on 980916 in accordance with 10CFR50.47(b)(14).

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • Richland, Washington 99352-0968

June 10, 1998

GO2-98-098

Docket No. 50-397

Mr. Blaine Murray, Chief  
Plant Support Branch  
U.S. Nuclear Regulatory Commission, Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

Dear Mr. Murray:

Subject: **WNP-2 OPERATING LICENSE NPF-21 1998 EMERGENCY  
PREPAREDNESS EXERCISE OBJECTIVES AND LIMITATIONS**

In accordance with 10 CFR 50.47(b)(14), the Supply System hereby submits the Objectives and Limitations for the WNP-2 Exercise to be conducted September 16, 1998:

The Objectives and Limitations are a compilation from various participating agencies, including the Supply System, Benton and Franklin Counties, Yakima County, Grant County, the State of Washington, and the State of Oregon.

Should you have any questions or desire additional information regarding this matter, please contact me or Ron Jorgensen at (509) 377-8465.

Respectfully,

*Paul Jansen for*

D.W. Coleman (Mail Drop PE20)  
Manager, Regulatory Affairs

Attachment

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**WNP-2's BIENNIAL EXERCISE  
SEPTEMBER 16, 1998**

**I. SCOPE**

The primary purpose of this Exercise, scheduled for September 16, 1998, is to demonstrate effective management of the emergency and plant reentry operations with efficient coordination between the Supply System emergency centers and participating offsite agencies.

Emergency response actions during the Evaluated Exercise will include:

- prompt recognition and accurate classification of emergency conditions;
- assessment of onsite/offsite radiological consequences, and activities to minimize the offsite consequences;
- notification and mobilization of the emergency response organizations;
- implementation of in-plant corrective actions;
- activation/operation of emergency response facilities and equipment;
- preparation of adequate records to document decisions made and actions taken;
- formulation and recommendation of protective actions for personnel within the area; and
- termination of the emergency condition, including a preliminary discussion of the transition into recovery.

Specific objectives to be demonstrated by the SS WNP-2 Emergency Response Organization and Facilities, and the Offsite Agencies are identified in the following section.

Timely and proper response by the players will contribute to mitigation of the simulated accident consequences. Participants in this exercise will include activation of the Supply System Emergency Operations Facility (EOF), Technical Support Center (TSC), Operations Support Center (OSC), Simulated Control Room, and Joint Information Center (JIC). In addition, several offsite agencies will be participating and activating their emergency facilities. Offsite agency participation will include: Washington State Emergency Operations Center, Washington State Department of Health, Oregon State, Benton/Franklin County Emergency Operations Center, and Co-location by the Nuclear Regulatory Commission.

The objectives and limitations are contained in Section II and have been divided into six sections with a section for the Supply System and each of the participating state and county organizations. Following the objectives for the offsite agencies, a matrix has been included which specifies the objectives to be demonstrated and the location for the demonstration.

Specific guidelines on the conduct of the drill are described in Section III. Included in the guidelines is a description of the general guidelines, participation, safety precautions and simulation guidelines. The simulation guidelines describe objective limitations and extent of play of Supply System emergency response personnel.



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**II. OBJECTIVES AND LIMITATIONS**

As a result of discussions between WNP-2 staff, the Nuclear Regulatory Commission - Region IV (NRC), the Federal Emergency Management Agency - Region X (FEMA), the State of Washington, Benton and Franklin Counties, Yakima County, Grant County and the State of Oregon, the following general objectives and guidelines have been developed for the 1998 Emergency Preparedness Exercise at WNP-2.

**A. For WNP-2 (Licensee Emergency Response Organization):**

1. Demonstrate the ability to accurately assess the accident conditions and implement effective mitigation strategies.
2. Demonstrate the ability to assess the accident conditions and declare the appropriate emergency classifications.
3. Demonstrate notification of state, county and NRC including verification.
4. Demonstrate the ability to alert, notify, and mobilize emergency response personnel.
5. Demonstrate adequate initial emergency messages with appropriate content.
6. Demonstrate ability to make follow-up messages to offsite authorities which contain appropriate information.
7. Demonstrate the timely and adequate means to warn or advise individuals in the Protected Area and Owner Controlled Area.
8. Demonstrate the use of primary communications means in all areas:
  - a. State and local 24 hour emergency response networks.
  - b. Contiguous state/local governments within the EPZs.
  - c. Federal emergency response.
  - d. Plant to EOF, State and Local EOCs, and radiological monitoring teams.
  - e. Provision for alerting or activating emergency response personnel in each response organization.
  - f. Provisions for communication by the licensee with NRC headquarters, and regional office.
9. Demonstrate reliable primary communication for licensee, local and state response organizations.
10. Demonstrate reliable voice and data communications between CR, TSC and EOF.

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11. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.
12. Demonstrate reliable voice communications within the CR, TSC, and EOF using effective 3-way communications.
13. Demonstrate the ability of facility managers to direct, coordinate, and control the activities of their facilities.
14. Demonstrate the use of established onsite exposure guidelines consistent with EPA Emergency Worker and Lifesaving Activity Protective Action Guides.
15. Demonstrate the ability to monitor and control emergency exposures per exposure guidelines.
16. Demonstrate the capability to determine the doses received by emergency personnel.
17. Demonstrate reading of dosimeters at appropriate frequencies and maintenance of records.
18. Demonstrate action levels for determining the need for decontamination.
19. Demonstrate onsite contamination control measures including:
  - a. area access control
20. Demonstrate radiological monitoring and decontamination of people evacuated from the site.

Limitation: Two people will be pre-identified for radiological monitoring and decontamination to respond if a protective area evacuation is directed.
21. Demonstrate for individuals remaining or arriving onsite during the emergency, provision for:
  - a. Individual respiratory protection
  - b. Protective clothing
  - c. KI
22. Demonstrate the ability to make appropriate Protective Action Recommendations to state and local officials.
23. Demonstrate the ability to activate onsite (OSC, TSC) and near site (JIC, EOF) emergency centers in a timely manner.





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24. Demonstrate the ability to coordinate and dispatch repair team activities between the TSC and OSC.
25. Demonstrate capability for 24 hour continuous operations (Second shift will be identified, however, no shift change will be demonstrated).
26. Demonstrate the ability to dispatch a representative to principal offsite emergency operations centers.
27. Demonstrate the ability to transfer command and control of the emergency response in a timely manner.
28. Demonstrate the ability to augment the on-shift capabilities in a timely manner.
29. Demonstrate the operation of the JIC and availability of space for the media.
30. Demonstrate the ability to brief the media in a clear, accurate and timely manner.
31. Demonstrate coordinated arrangements for dealing with rumors.
32. Demonstrate the ability of the offsite radiological monitoring field teams to collect and report radiological field data.
33. Demonstrate the ability to perform offsite dose calculations.
34. Demonstrate the ability to show the relationship between effluent monitor readings and offsite exposures for various meteorological conditions:
  - a. Estimate integrated dose from the projected and actual dose rates and compare these estimates with the PAGs.
35. Demonstrate the ability to account for all individuals onsite at the time of an emergency and ascertain the names of missing individuals within 30 minutes of an emergency and account for all onsite individuals continuously thereafter.
36. Demonstrate the ability to conduct a post-exercise critique to determine areas requiring additional improvements.
37. Demonstrate preliminary discussions of re-entry and recovery capabilities and availability of procedures.
38. Demonstrate the ability to effectively brief and interact with the NRC response team.



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**B. Washington State**

1. **Mobilization of Emergency Personnel - Demonstrate the ability to fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.**

**Limitation:** The following Department of Health responders may be prestaged (a-f will have a one hour delay following notification):

- a. Senior State Official
- b. Dose Assessment Coordinator
- c. Dose Assessor
- d. Field Team Coordinator
- e. Technical Spokesperson
- f. State Emergency Management Rep to EOF
- g. Field Teams

2. **Facilities - Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.**

**Limitation:** None

3. **Direction and Control - Demonstrate the capability to direct and control emergency operations.**

**Limitation:** In the event of an actual emergency, the exercise will be terminated.

Outstanding ARCA 69-96-03-A-03: Classification Notification Forms were not promptly faxed to the State of Oregon.

Outstanding ARCA 69-96-03-A-04: Neither the hard copy nor the CRASH phone transmission of a CNF from the Supply System to WA, OR, and B/F Counties correctly stated the intended PAR. The verbal misstatement of the PAR was further briefed to all EOF staff, including the WA, OR, and B/F Counties representatives. Although the PAR given was verbally inconsistent, none of the State or County personnel questioned it at that time.

Corrective action will be demonstrated during this exercise.

4. **Communications - Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.**

**Limitation:** ACCESS and NAWAS messages will be prepared but not transmitted.

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5. **Field Radiological Monitoring - Demonstrate the ability to continuously monitor and control radiation exposure to emergency workers.**

Limitation: Any use of KI will be simulated.

Outstanding ARCA WA94-5: The DRDs had not been labeled to indicate the date of inspection and testing for leakage (WA FMT). Page D.5-6 of REP-14 states, "Those (DRDs) that read in roentgens should be inspected for electrical leakage on an annual basis and recharged or replaced, if necessary."

Corrective action will be demonstrated during this exercise.

Outstanding ARCA WA94-6: Emergency Worker kits, which include Direct Reading Dosimeters, were not issued to the FCP personnel as required by WSDA Radiological Response Procedures. There were no exceptions for issuing dosimeters to WA Emergency Workers in the Extent of Play Agreement.

Washington State Department of Agriculture has revised its procedures. The procedures now direct Franklin County to issue dosimetry to WSDA representatives. The Department of Health no longer has this responsibility. Corrective action will be demonstrated during this exercise.

6. **Field Radiological Monitoring - Ambient Radiation Monitoring - Demonstrate the appropriate use of equipment and procedures for determining field measurements.**

Outstanding ARCA 69-96-06-A-08: The criteria stated on the instrument check worksheets in the FMT kits imply that appropriate source responses should be within 20% of the initial source reading. The source check response for the Eberline RO-2 survey meter (serial number 5313) exceeded the 20% criteria and the FMT used it in their field surveys (Page 21 Final exercise Report-1996).

Corrective action will be demonstrated during the exercise.

Outstanding ARCA 69-96-06-A-09: The MUDAC requested to be notified if radiation readings greater than background were encountered. A WA FMT encountered elevated radiation readings on Russell Road at 1218, but did not report this information to the FTC until 1257.

Corrective action will be demonstrated during this exercise.

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7. **Plume Dose Projection - Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.**

Limitation: None

Outstanding ARCA 69-96-07-A-06: The MUDAC was not operated in a unified fashion in accordance with the plans and procedures. This was observed in all three areas: 1) Field Monitoring Team (FMT) Coordination, 2) Dose Assessment, and 3) PAR creation.

Corrective action will be demonstrated during the exercise.

8. **Field Radiological Monitoring - Airborne Radioiodine and Particulate Activity Monitoring - Demonstrate the appropriate use of equipment and procedures for measurement of airborne radioiodine concentrations as low as  $10^{-7}$  (0.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.**

Limitation: The use of silver zeolite cartridges when taking air samples will be simulated. Charcoal cartridges will be provided by the drill control team for use in the air samplers.

Outstanding ARCA 69-96-08-A-10: Sample labels were not completed as required by procedures. Sample number and the time collected were not indicated for the iodine cartridge as required by procedure. The particulate filter label did not include the sample number and start and end times as required by procedure.

Corrective action will be demonstrated during this exercise.

9. **Plume Protective Action Decision Making - Demonstrate the capability to make timely and appropriate protective action decisions (PAD).**

Limitation: None

10. **Alert and Notification- Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway emergency planning zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.**

Limitation: Sirens and tone alert radios will not be activated. EBS/EAS message transmission will be simulated.



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11. **Public Instructions and Emergency Information** - Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.

Limitation: Washington State JIC responders will be staged with a one hour delay.

12. **Emergency Information - Media** - Demonstrate the capability to coordinate the formulation and dissemination of clear, accurate, and timely information to the news media.

Limitation: Washington State JIC responders will be staged with a one hour delay.

13. **Emergency Information - Rumor Control** - Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Limitation: None

14. **Implementation of Protective Actions - Use of KI for Emergency Workers, Institutionalized Individuals, and the General Public** - Demonstrate the capability and resources to implement potassium iodide (KI) protective actions for emergency workers, and institutionalized individuals.

Limitation: Any use of KI will be simulated.

- 15-16. Do not apply to this exercise.

17. **Traffic and Access Control** - Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

Limitation: Only one state traffic control point will be activated.

- 18-33. Not applicable to this exercise.





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**C. Benton and Franklin Counties**

1. **Mobilization of Emergency Personnel - Demonstrate the ability to fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.**

**Limitation:** (Criterion 1) Field demonstrations will be staffed consecutively rather than concurrently to allow for maximum use of evaluators and minimize first responder time.

2. **Facilities - Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.**

Outstanding ARCA 69-96-02-A-11, B/F EOC: incorrect event information posted. This objective will be demonstrated during this exercise.

**Limitation:** (Criterion 1) Backup power will not be demonstrated as part of this exercise but will be evaluated by interview. No intentional computer failures will be a part of the play.

**Limitation** (Criterion 2) The security demonstration will be terminated upon the B/F EOC being declared Operational and with concurrence of evaluation team leader.

3. **Direction and Control - Demonstrate the capability to direct and control emergency operations.**

**Limitation:** None

4. **Communications - Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.**

**Limitation:** (Criterion 1) Amateur radio operators will demonstrate a minimum of one message sent and received. No intentional communication system failures are planned.

5. **Field Radiological Monitoring - Demonstrate the ability to continuously monitor and control radiation exposure to emergency workers.**

**Limitation:** (Criterion 3) This Criterion will not be demonstrated in the field, but exercise inputs will drive B/F EOC decisions for evaluation.

- 6-8. **Not applicable to Benton and Franklin Counties**

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9. **Plume Protective Action Decision Making - Demonstrate the capability to make timely and appropriate protective action decisions (PAD).**

Limitation: None

10. **Alert and Notification- Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway emergency planning zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or Local officials.**

Limitation: (Criterion 1) The first sequence will be timed for evaluation. Any failure to meet the demonstration Criterion will be immediately brought to the attention of the players and Lead County Controller. Exercise play will continue and the next sequence will be timed for evaluation and immediate correction of the initial failure. After a successful demonstration, all subsequent notification sequences will be timed but not be subject to evaluation. Siren silent test will be initiated in lieu of actual actuation. An EAS test message will be sent in lieu of an actual message.

Limitation: (Criterion 2 thru 4) These Criterion do not apply to the B/F Counties.

11. **Public Instructions and Emergency Information - Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.**

Outstanding ARCA 69-96-11-A-12, B/F EOC: EBS messages were not faxed to Washington State EOC. Corrective action will be demonstrated during this exercise.

Limitation: (Criterion 2) The limitations of the EAS system will be considered when evaluating the content of EAS messages and follow-up materials.

12. **Emergency Information - Media - Demonstrate the capability to coordinate the formulation and dissemination of clear, accurate, and timely information to the news media.**

Limitation: None

13. **Emergency Information - Rumor Control - Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.**

Limitation: None

**WNP-2's BIENNIAL EXERCISE  
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14. **Implementation of Protective Actions - Use of KI for Emergency Workers, Institutionalized Individuals, and the General Public - Demonstrate the capability and resources to implement potassium iodide (KI) protective actions for emergency workers, and institutionalized individuals.**  
  
Limitation: (Criterion 1) No KI will be consumed.
15. **Implementation of Protective Actions - Special Populations - Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.**  
  
Limitation: (Criterion 1) Transportation dependent and special assistant populations will be called during the course of the exercise and update as necessary. Any transportation will be simulated only.  
  
Limitation: (Criterion 2) Dispatching of transportation resources will be simulated only.
16. **Implementation of Protective Actions - Schools - Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway Emergency Planning Zone (EPZ).**  
  
Limitation: (Criterion 1) All schools within the Plume Emergency Planning Zone will receive the initial notification. Subsequent notifications will only be made to the participating school.  
  
Limitation: (Criterion 2) One bus and driver will demonstrate. No students will be transported.  
  
Limitation: (Criterion 3) A maximum of one school.
17. **Traffic and Access Control - Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.**  
  
Limitation: (Criteria 1-2) Minimum of one field demonstration of an access control point. All other access control points will be simulated. Traffic past an access control point will not be blocked or otherwise impeded at any time by any access control demonstration.  
  
Limitation: (Criteria 3-4) Simulated only.
18. **Not applicable to this exercise.**

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19. **Congregate Care - Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.**

Limitation: (Criterion 1) EWAC activation simulated only.

20-34. **Not applicable to this exercise, no demonstration.**



**WNP-2's BIENNIAL EXERCISE  
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**D. Grant County**

1. **Mobilization of Emergency Personnel - Demonstrate the ability to fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.**

Limitation: Limited staff with partial mobilization.

2. **Facilities - Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.**

Limitation: None

3. **Direction and Control - Demonstrate the capability to direct and control emergency operations.**

Outstanding ARCA GR-95-1: Lack of coordination on shelter-in-place PAD.

Limitation: Will be demonstrated during the DOE exercise (6/98).

4. **Communications - Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.**

Limitation: None

5. **Objectives 5-10 are not applicable.**

11. **Public Instructions and Emergency Information - Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.**

Limitation: Message will be written, but broadcast will be simulated.

12. **Emergency Information - Media - Demonstrate the capability to coordinate the formulation and dissemination of clear, accurate, and timely information to the news media.**

Limitation: None

13. **Emergency Information - Rumor Control - Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.**

Limitation: None

- 14-33. Objectives 14-33 do not apply to Grant County.



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**SEPTEMBER 16, 1998**

**E. Yakima County**

1. **Mobilization of Emergency Personnel** - Demonstrate the ability to fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

Limitation: Personnel will have knowledge of scheduled drill date.

2. **Facilities** - Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

Limitation EOC will be placed in "Ready" status before drill commences.

3. **Direction and Control** - Demonstrate the capability to direct and control emergency operations.

Limitation: None

4. **Communications** - Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

Limitation: Extent of communications will be based on scope of drill

5. **Objectives 5-10 not applicable.**

11. **Public Instructions and Emergency Information** - Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.

Limitation: None

12. **Emergency Information - Media** - Demonstrate the capability to coordinate the formulation and dissemination of clear, accurate, and timely information to the news media.

Limitation: None

13. **Emergency Information - Rumor Control** - Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Limitation: None

14-33. Objectives 14-33 do not apply to Yakima County.





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**F. State of Oregon**

1. **Mobilization of Emergency Personnel** - Demonstrate the ability to fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

**Limitation:** Oregon representatives responding to the JIC and EOF will be pre-positioned in Richland. Oregon field teams responding to Morrow and Umatilla counties will be pre-positioned at the Hermiston Safety Center.

2. **Facilities** - Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

**Limitation:** The activation and operation of the Morrow County EOC and the Umatilla County EOC will be simulated. Morrow and Umatilla counties will provide communications support only.

**ARCA:** M094-1 will not be resolved in 98 exercise. Morrow County will not be activating the EOC.

3. **Direction and Control** - Demonstrate the capability to direct and control emergency operations.

**Limitation:** None

4. **Communications** - Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

**Limitation:** None

5. **Field Radiological Monitoring** - Demonstrate the ability to continuously monitor and control radiation exposure to emergency workers.

**Limitation:** None

**Outstanding ARCA OR 94-2:** Failure of Oregon EOF representative to wear dosimetry.

Corrective action will be demonstrated during this exercise.

6. **Field Radiological Monitoring - Ambient Radiation Monitoring** - Demonstrate the appropriate use of equipment and procedures for determining field measurements.

**Limitation:** Field team functions will be conducted for training only (i.e., not for evaluation).

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7. Objective 7 does not apply to Oregon.
8. **Field Radiological Monitoring - Airborne Radioiodine and Particulate Activity Monitoring** - Demonstrate the appropriate use of equipment and procedures for measurement of airborne radioiodine concentrations as low as  $10^{-7}$  (0.0000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

Limitation: Field team functions will be conducted for training only (i.e., not for evaluation).

- 9-10. Objectives 9 and 10 do not apply to Oregon.

11. **Public Instructions and Emergency Information** - Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.

Limitation: None

12. **Emergency Information - Media** - Demonstrate the capability to coordinate the formulation and dissemination of clear, accurate, and timely information to the news media.

Limitation: None

13. **Emergency Information - Rumor Control** - Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Outstanding ARCA OR 94-7, Oregon EOC: Current information was not always provided to callers. Oregon will demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Corrective action will be demonstrated during this exercise.

Limitation: None

- 14-22. Objectives 14-22 do not apply to Oregon.

- 23-27. Objectives 23-27 apply to Oregon but will not be demonstrated.

- 32-33. Unannounced exercises/off-hours exercise. Oregon will demonstrate this prior to the September 16, 1998 WNP-2 exercise. Oregon will coordinate with FEMA.

**WNP-2's BIENNIAL EXERCISE  
SEPTEMBER 16, 1998**

**OBJECTIVES TO BE DEMONSTRATED**

JURISDICTION/FUNCTIONAL ENTITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
<b>WASHINGTON STATE</b>																																	
Emergency Operations Center	X	X	X	X	X		X		X	X	X	X	X	X																			
Emergency Operations Facility/MUDAC	X	X	X	X	X		X		X																								
Joint Information Center	X	X		X							X	X	X																				
Radiological Field Monitoring Teams	X			X	X	X		X							X																		
Access/Traffic Control					X										X			X															
<b>BENTON/FRANKLIN COUNTIES</b>																																	
Emergency Operations Center	X	X	X	X	X					X	X	X	X	X	X	X	X	X															
EBS Radio Station										X	X																						
Franklin County Dispatch	X			X																													
Access/Traffic Control					X										X			X															
School & School Bus					X										X		X																

B/F Counties received exercise credit for Objectives 32 and 33 as a result of their response to the May 14, 1998 incident at the Hanford Site.



**WNP-2's BIENNIAL EXERCISE  
SEPTEMBER 16, 1998**

**OBJECTIVES TO BE DEMONSTRATED**

JURISDICTION/FUNCTIONAL ENTITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
<b>GRANT COUNTY</b>																																	
Emergency Operations Center	X	X	X	X								X	X	X																			
<b>YAKIMA COUNTY</b>																																	
Emergency Operations Center	X	X	X	X								X	X	X																			
<b>OREGON STATE</b>																																	
OR State Emergency Coordination Center	X	X	X	X	X							X	X	X																			
Grant and Yakima Counties have LIMITED responsibilities related to Objectives 11, 12, and 13.																																	

**WNP-2's BIENNIAL EXERCISE  
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**III. GUIDELINES**

To define the scope and extent of participation by organizations and "participants," the following guidelines are established in order to meet the objectives listed in Section II of this manual.

**A. General Guidelines**

1. The exercise will be conducted on September 16, 1998. Exercise participants will not possess prior knowledge of the exercise start time, and will follow normal routines for that day until mobilized as part of the emergency response.
2. For the exercise, the Control Room staff will operate from the WNP-2 Simulator. Prior to the start of the exercise, a shift briefing will be conducted in the Simulator. The briefing will include "on-shift" exercise participants from Operations, Maintenance, Chemistry, Security, and Radiation Protection. The participants will be briefed on the postulated plant conditions and general guidelines for the conduct of the exercise. Following the briefing, the in-plant shift personnel (non-control room staff) will return to their normal workstations.
3. The exercise will commence with a postulated condition necessitating the declaration of an emergency classification and escalate to require other emergency classification declarations.
4. The exercise scenario contains simulated radiological release and plant conditions which will require consideration of protective actions for the general public.
5. Exercise participants will perform, as appropriate, radiological monitoring and dose assessment activities. Radiological field monitoring teams will be dispatched in order to evaluate, communications and monitoring procedures.
6. The Joint Information Center (JIC) will be staffed and activated. Participation by members of the media will be simulated. News bulletins will be made which depict simulated exercise events. However, no exercise press bulletins will actually be released to the public.
7. If exercise scenario accident conditions warrant evacuation of non-essential site personnel, these actions will be simulated.

**NOTE**

Care shall be taken to assure individuals who may overhear or observe exercise activities are not misled into believing that an actual emergency situation exists.

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8. All emergency communications that are part of the exercise shall be clearly identified as part of the exercise. Verbal communications shall be initiated and closed by the statement "This is a drill." Any use of plant alarms (Station Alarm or Fire Alarm) will be preceded by announcing "This is a drill" over the plant page system. Any exercise documentation transmitted via facsimile machine shall have the word "Drill" stamped on them prior to transmittal.
9. Exercise participation will include the following emergency organizations and facilities:

**WNP-2**

Onshift Emergency Organization (Normal Operations, Shift Personnel, Chemistry, Radiation Protection, Maintenance, and Security)

Onsite Emergency Organization (TSC and OSC)

Nearsite Emergency Organization (EOF)

Joint Information Center (JIC)

All WNP-2 site personnel are potential participants, since the on-site personnel are expected to report abnormal conditions observed during the exercise, such as smoke, unusual noises, etc. The emergency organization may also call out additional personnel to assist in the response to the simulated emergency conditions.

**State of Washington**

- Emergency Operations Center
- Department of Health
- Department of Agriculture
- Washington Information Center (WIC)
- State Patrol
- JIC





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State of Oregon

- Emergency Operations Center
- Radiation Monitoring Teams (Training Only)
- Oregon Department of Energy
- Oregon Health Division
- Morrow County Emergency Management
- Umatilla County Emergency Management

Benton/Franklin County

- Emergency Operations Center
- Benton or Franklin County Sheriff's Department

Department of Energy - RL

- Field Team Support
- JIC Support

Nuclear Regulatory Agency

- Full Site Response

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**Safety Precautions**

1. Personnel will not, in response to the postulated accident conditions, take any action which jeopardizes plant or personnel safety.
2. Actual plant valves, breakers, and controls shall not be manipulated in response to this exercise. The WNP-2 simulator and equipment mockups will be manipulated as necessary to meet specific exercise objectives.
3. In the event an actual emergency occurs during the conduct of this exercise, the drill Emergency Coordinator shall immediately contact the real Shift Manager and coordinate available resources to mitigate the emergency.
  - In the case of an actual fire report, the "operating shift" will provide the initial response.
  - In the case of an actual medical emergency, the "operating shift" will provide the initial response until relieved of that responsibility by the drill shift.
  - The drill clock and exercise activities may be stopped at the discretion of the drill Emergency Coordinator and the real Shift Manager until the actual emergency is assessed and/or under control.
  - Qualified drill participants and drill control team members may be directed to support the real Shift Manager in response to the actual emergency.
4. All personnel who enter RCA will be radiation worker qualified.
5. Exercise personnel will observe all radiological controls. In the event the data presented in this exercise package indicates lower radiation levels than those actually found in the plant, actions for the actual (higher) readings will be followed. In such instances the Health Physics Controller and the Lead Controller will be notified.
6. ALARA concepts will be observed during the course of the exercise. Activities associated with the performance of the exercise will not occur in areas where personnel will receive significant radiation exposures.



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**D. Simulation Guidelines**

**NOTE**

Simulated exercise events will be initiated as indicated in this exercise scenario package under the direction of the Lead Controller. Since all possible participant reactions to the simulated events can not be anticipated, individual Controllers may initiate simulated situations to preserve the continuity of the overall scenario timeline without prior approval of the Lead Controller. However, individuals are prohibited from creating real or simulated situations which are not provided for in the scenario package and may affect the timeline without prior approval of the Lead Controller.

1. Exercise participants are expected to carry out all responses to the postulated scenario events as if responding to a real emergency. Actions required by Plant Operating Procedures and Emergency Plan Implementing Procedures shall be carried out to the fullest extent possible, unless otherwise directed by the drill control team.

2. Since the exercise will be performed using the WNP-2 Control Room Simulator, exercise plant parameter data and radiological monitoring data will be obtained from the Simulator control panels and the GDS terminals, which will be configured to display the Simulator data.

If a failure of the Simulator occurs, and the Simulator can not be recovered in a reasonable period of time, either backup data sheets may be used to continue exercise play or at the discretion of the drill coordinator the exercise may be terminated.

3. Portable fire extinguishers or other sealed canisters shall not have the seals broken or safety pins removed in response to the postulated scenario events, except when specifically required by instructions provided in this scenario package.
4. Exercise participants will be expected to obtain the proper tools and equipment necessary in responding to the scenario conditions in order to receive credit for their actions to mitigate the consequences of the simulated conditions.

The exercise package includes the use of mock-ups to simulate plant equipment. In most situations where mock-ups are available, the exercise participants will be expected to respond to the actual plant equipment and then the drill control team will direct them to the mock-up. Due to the location of some mock-ups, the drill control team may instruct the participants to proceed directly to the mock-up. Specific instructions are provided in the scenario package regarding the use of individual mock-ups.



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5. The use of protective clothing will not be simulated by the exercise participants in the plant.
6. To prevent unnecessarily alarming members of the general public, who may observe their activities, the use of protective clothing will be simulated by the radiological field monitoring teams.
7. SCBAs will be donned, as required by the scenario conditions, but, after initial fitting on the face, hose connections will be disconnected.
8. The use of silver zeolite cartridges when taking air samples will be simulated. Charcoal cartridges will be provided by the drill control team for use in the air samplers.
9. The use of potassium iodide for personnel protection will be simulated.
10. If a decision is made to use the Post Accident Sampling System (PASS), sampling activities will be simulated.
11. No plant equipment will actually be removed from service or tagged out in response to the scenario events. However, all necessary authorizations required by procedures are expected to be obtained prior to the simulation of the tag out.
12. Radiological postings as required by the simulated scenario radiation levels will not be simulated. The drill control team will insure that the postings are appropriately labeled to identify them as part of the drill.
13. If consideration is given to relocating the Primary Access Point (PAP) due to the simulated radiological conditions, this activity will be simulated.
14. Onsite response to a medical emergency is not an objective of this exercise.
15. The activation of the Emergency Response Data System (ERDS) will not be simulated. ERDS will be activated to transmit drill data from the Simulator.
16. The use of the Automated Notification System (ANS) will not be simulated. Auto-dialer drill scenarios are provided to be used during the response to the simulated exercise events.